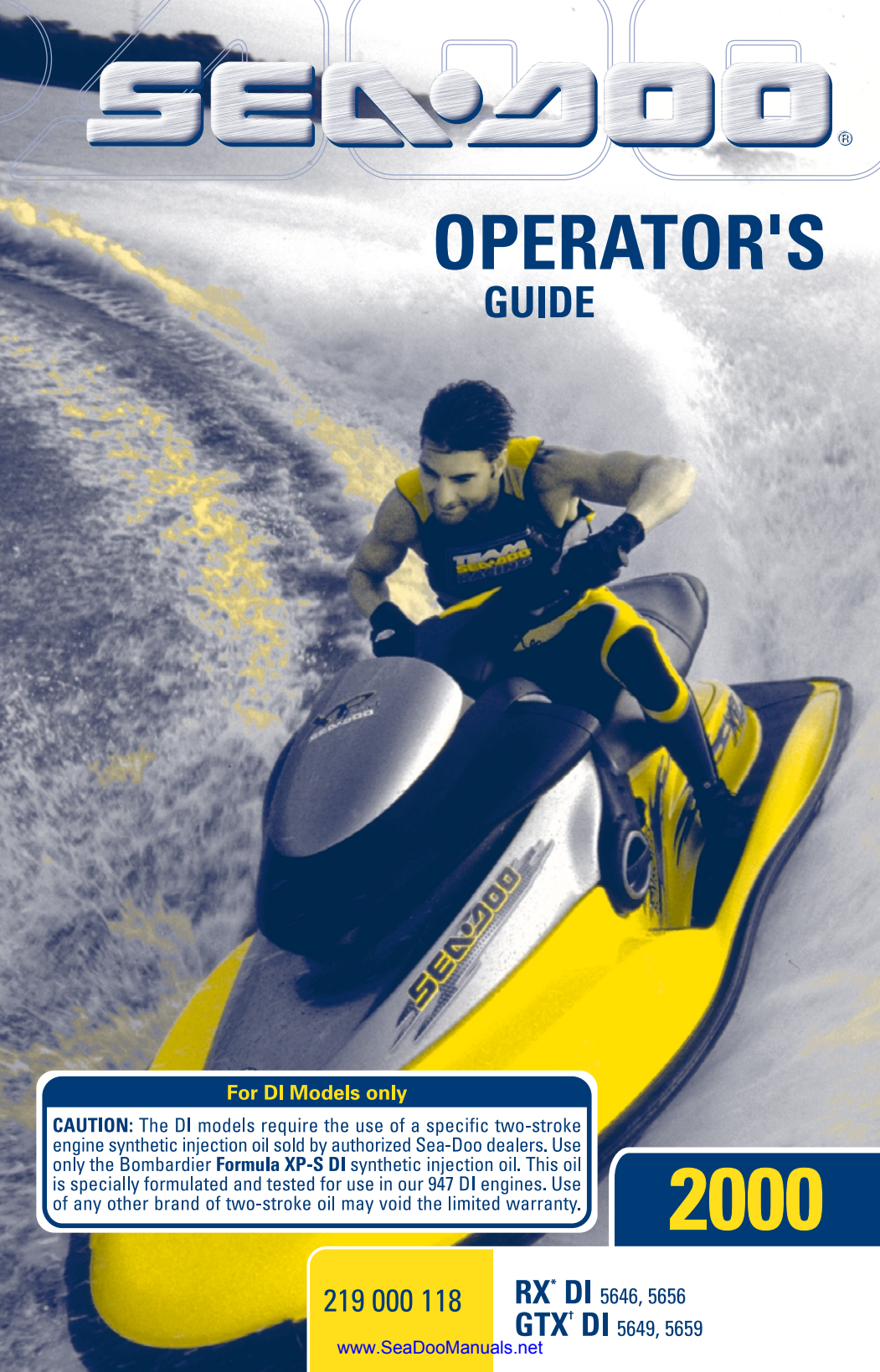
SEA-DOO

OPERATOR'S GUIDE



For DI Models only

CAUTION: The DI models require the use of a specific two-stroke engine synthetic injection oil sold by authorized Sea-Doo dealers. Use only the Bombardier **Formula XP-S DI** synthetic injection oil. This oil is specially formulated and tested for use in our 947 DI engines. Use of any other brand of two-stroke oil may void the limited warranty.

2000

219 000 118

RX* **DI** 5646, 5656
GTX† **DI** 5649, 5659

www.SeaDooManuals.net

SAFETY WARNING

Disregarding any of the safety precautions and instructions contained in this *Operator's Guide,* the *Safety Handbook* and on *Product Warning Labels* could cause injury, including the possibility of death. The operator has the responsibility to inform passenger(s) of safety precautions.

This *Operator's Guide*, the *Safety Handbook* and *Videocassette* should remain with the craft at the time of resale.

BOMBARDIER
RECREATIONAL PRODUCTS

Gelcote† is a trademark of Gelcote International
Knight's Spray-Nine† is a trademark of Korkay System Ltd

The following trademarks are property of Bombardier Inc. and/or its subsidiaries:

SEA-DOO®
BOMBARDIER-ROTAX®
Bombardier Lube®
BOMBARDIER-ROTAX Formula XP-S Synthetic Injection Oil
BOMBARDIER-ROTAX Formula XP-S DI Synthetic Injection Oil
BOMBARDIER-ROTAX Injection Oil
Sea-Doo Synthetic Grease
Sea-Doo LK™

Printed in Canada (smo2000-004a.fm SH)
®*Trademarks of Bombardier Inc. and/or its subsidiaries.
©2000 Bombardier Inc. All rights reserved.

www.SeaDooManuals.net

Doin'it on your new Sea-Doo watercraft

Congratulations, you are now the proud owner of a Sea-Doo personal watercraft. Whether you are an experienced boater or are new to the sport of boating, we ask you to take the time to view the *Videocassette* provided with the watercraft, to read this *Operator's Guide*, the *Safety Handbook* and familiarize yourself with the contents. These Guides contain pertinent information which, if followed, will provide you with the necessary knowledge to help you fully enjoy the pleasures of this watercraft.

We strongly recommend that all watercraft operators complete a safety boating course. Check with your local Coast Guard or Power and Sail Squadron in your area for course availability. More serious boaters may want to obtain *Chapman Piloting* by Elbert S. Maloney, available at most book stores.

When introducing your family or friends to the sport, be sure they fully understand the controls and operation of the watercraft and the importance of courteous, responsible riding.

Each operator has a responsibility to ensure the passenger safety and the safety of other water users. Please follow all safety instructions and drive with care.

We encourage you to have an Annual Safety Inspection of your watercraft. Please contact your dealer for further details.

Finally, we urge you to visit your dealer regularly for regular and safety maintenance as well as any watercraft accessories you may require.

Have fun and... Bon Voyage.

Please keep this *Guide* and *Safety Handbook* on board at all times. These manuals should remain with the watercraft at time of resale.

www.SeaDooManuals.net

TABLE OF CONTENTS

FOREWORD **5**

⚠ SAFETY WARNING **6**

General 6
Operation 6
Maintenance 9

LIST OF DISTRIBUTORS **10**

BOMBARDIER LIMITED WARRANTY NORTH AMERICA: 2000 SEA-DOO® WATERCRAFT **11**

BOMBARDIER INTERNATIONAL LIMITED WARRANTY: 2000 SEA-DOO® WATERCRAFT **13**

REGISTRATION NUMBER LOCATION **15**

LOCATION OF THE IMPORTANT LABELS **16**

IDENTIFICATION NUMBERS **18**

Hull 18
Engine 18

CONTROLS AND COMPONENT LOCATION **19**

COMPONENTS FUNCTIONS **22**

1) Safety Lanyard 22
2) Handlebar 23
3) Throttle Lever 23
4) Engine Start/Stop Button 23
5) Variable Trim System Button (VTS) (if so equipped) 24
6) Choke Lever 24
7) Shift Lever 24
8) Speedometer 24
9) Information Center Gauge/Buttons 24
10) Glove Box 28
11) Fuel Tank Valve 28
12) Fuel Tank Cap 28
13) Oil Injection Reservoir Cap 28
14) Front Storage Compartment Cover 29
15) Front Storage Compartment Cover Latch 29
16) Tool Kit 29
17) Air Intake Opening 29
18) Seat Strap 29
19) Seat Latch 30
20) Seat Extension Latch (if so equipped) 31
21) Rear Grab Handle 31
22) Rear Storage Basket (if so equipped) 31
23) Bow and Stern Eyelets 31

www.SeaDooManuals.net

24) Mooring Cleats 31
25) Cargo Cleats (if so equipped) 32
26) Footboard 32
27) Boarding Pads 32
28) Boarding Platform 32
29) Cooling System Bleed Outlet 32
30) Flushing Connector 33
31) Bilge Drain Plugs 33
32) Jet Pump Nozzle 33
33) Reverse Gate 33
34) Jet Pump Water Intake 33
FUEL AND LUBRICATION 34
Fueling Procedure 34
Recommended Fuel 34
Recommended Oil 34
Oil Injection System 35
BREAK-IN PERIOD 36
10-Hour Inspection 36
DAILY PRE-OPERATION CHECKS 37
Hull 38
Jet Pump Water Intake 38
Bilge 38
Battery 38
Fuel Tank and Oil Reservoir 38
Engine Compartment 38
Steering System 38
Throttle System 38
Shifter System 39
VTS (Variable Trim System) (if so equipped) 39
Safety Lanyard and Engine Start/Stop Button 39
Storage Compartment Covers 39
OPERATING INSTRUCTIONS 40
Principle of Operation 40
Boarding the Watercraft 43
Starting the Engine 45
Rough Water or Poor Visibility Operation 46
Crossing Waves 46
Stopping/Docking 47
Beaching 47
Shutting Off the Engine 47

www.SeaDooManuals.net

POST-OPERATION CARE 48
General Care 48
Additional Care for Foul Water or Salt Water 48
Cooling System Flushing and Engine Internal Lubrication 48
Anticorrosion Treatment 50
SPECIAL PROCEDURES 51
Limp Home Mode 51
Engine Overheating 51
Jet Pump Water Intake and Impeller Cleaning 51
Capsized Watercraft 52
Submerged Watercraft 52
Water-Flooded Engine 52
Fuel-Flooded Engine 53
Out of Fuel 54
Towing the Watercraft in Water 54
Low-charge Battery Condition 54
MAINTENANCE 55
Lubrication 55
Periodic Inspection 56
Periodic Inspection Chart 57
Throttle and Choke Cable Inspection 59
Carburetor Adjustment 59
Fuel Injection System 59
Fuel and Oil Filters 59
Steering Alignment 59
VTS Adjustment (if so equipped) 60
Vacuum Bailer Pick-Ups 60
Fuses 60
General Inspection and Cleaning 62
TRAILERING, STORAGE AND PRE-SEASON PREPARATION 63
Trailering 63
Storage 63
Pre-Season Preparation 68
TROUBLESHOOTING 70
SPECIFICATIONS 74
SI METRIC INFORMATION 78
ABBREVIATIONS USED IN THIS MANUAL 79
CHANGE OF ADDRESS 81

www.SeaDooManuals.net

FOREWORD

The *Operator's Guide* and *Safety Handbook* have been prepared to acquaint the owner/operator or passenger with this personal watercraft and its various controls, maintenance and safe riding instructions. Each is indispensable for the proper use of the product, and should be kept in a waterproof bag with the watercraft at all times.

For any questions pertaining to the warranty and its application, consult the WARRANTY section in this Guide, and/or an authorized SEA-DOO dealer.

This guide uses the following symbols to emphasize particular information.

⚠ WARNING

Identifies an instruction which, if not followed, may cause serious personal injuries including the possibility of death.

CAUTION: Denotes an instruction which, if not followed, might damage the watercraft and/or components.

NOTE: Indicates supplementary information needed to fully complete an instruction.

Although the mere reading of such information does not eliminate the hazard, the understanding and application of the information will promote its correct use.

The information and components/system descriptions contained in this guide are correct at the time of publication. Bombardier Inc. however, maintains a policy of continuous improvement of its products without imposing upon itself any obligation to install them on products previously manufactured.

Because of our ongoing commitment to product quality and innovation, Bombardier Inc. reserves the right at any time to discontinue or change specifications, designs, features, models or equipment without incurring obligation.

The illustrations in this document show the typical construction of the different assemblies and may not represent the full detail or exact shape of the parts. However, they represent parts that have the same or similar function.

It is understood that this guide may be translated into another language. In the event of any discrepancy, the English version shall prevail.

Specifications are given in the SI metric system with the SAE U.S. equivalent in parenthesis. Where precise accuracy is not required, some conversions are rounded off for easier use.

A *Shop Manual* can be obtained for complete service, maintenance and more repair information.

www.SeaDooManuals.net

⚠ SAFETY WARNING

General

⚠ To fully appreciate the pleasures, enjoyment and excitement of boating there are some basic rules that should be observed and followed by any rider. Some rules may be new to you or covered in the *Personal Watercraft Safety Handbook* or *Safety Video*, others may be common sense or obvious… irrespective, we ask that you please take a few minutes of your time to completely read these safety instructions completely before you operate your watercraft. **Failure to follow this safety information and safe boating rules could result in injury, including the possibility of death to you, your passenger(s), or other water users.**

⚠ Information in this guide is limited. It is strongly recommended that you obtain further boating information from the local Coast Guard or Power Squadron. We also recommend all operators to take a boating safety course. Please check local and federal boating laws applicable to the waterways where you intend to use the watercraft. Learn the local rules of the road. Always carry the regulatory required safety items on board.

⚠ The performance of this watercraft may significantly exceed that of other crafts you have operated. Therefore, use of this watercraft by a novice or inexperienced operator, or an underage or disabled person, is NOT RECOMMENDED.

⚠ Observe and follow all on-product warning labels.

⚠ Become completely familiar with the controls and operation of the watercraft before embarking on your first trip or taking on a passenger(s). If you have not had the opportunity to do so with your authorized Sea-Doo dealer, practice driving solo in a suitable area and feel the response of each control. Be fully familiar with all controls before applying throttle above idle speed. As its operator, you control and are responsible for the watercraft's safe operation.

⚠ Always carry the regulatory required safety items on board. Check the local regulations or consult your dealer.

⚠ Make sure that all users of the watercraft read and are aware of all warnings.

Operation

⚠ Always perform the daily pre-operation checks as specified in this guide.

⚠ Operator and passenger(s) should at all times wear a coast guard approved personal flotation device (PFD) that is suitable for personal watercraft.

⚠ Operator and passenger(s) should wear protective clothing. Severe internal injuries can occur if water is forced into body cavities as a result of falling into water or being near jet thrust nozzle. Wet suit bottom (or clothing that provides equivalent protection), footwear, gloves and goggles/glasses are recommended.

www.SeaDooManuals.net

⚠ Always keep in mind that as the throttle lever is released to idle position, less directional control is available. **To turn the watercraft, both steering and throttle are necessary.** This watercraft has the capability of turning more sharply than other crafts, however, unless in an emergency, do not negotiate sharp, high speed turns. You and your passenger(s) could be thrown from the watercraft. It should also be remembered that sun, wind, alcohol or drugs, may impair your judgment and reaction time.

⚠ While your watercraft has the capacity of operating at high speeds, it is strongly recommended that high speed operation only be applied when ideal conditions exist and are permitted. Higher speed operation requires a higher degree of skill and increases the risk of severe injuries.

⚠ The forces generated on the body of riders while turning, negotiating waves or wakes, operating in choppy waters, or falling off the watercraft, especially at higher speeds, may cause injury including the possibility of broken legs and other bones. Remain flexible and avoid sharp turns. Never place your feet and legs in the water to aid turning.

⚠ **Ensure operator all-round visibility is unrestricted. Always keep a constant lookout for other water users or other potential hazards especially when turning. Make sure to keep a safe distance from all other crafts, other waterusers or other objects.**

⚠ Like any other craft, this watercraft has no brake. Stopping distance will vary depending on initial speed, load, wind, and water conditions. Practice stopping and docking in a safe, traffic free area to have an idea of how long it will take to stop the watercraft under varying conditions. Do not release throttle when trying to steer away from objects. You need throttle to steer. Do not use the watercraft's reverse, if so equipped, to stop.

⚠ Ensure that all passengers know how to swim and how to reboard the watercraft from the water. The operator and passenger(s) should be properly seated before starting or moving the watercraft, and at all times when watercraft is in motion. **Do not** start or operate the watercraft if a person(s) is seated on the sun deck or swim platform, or are nearby in the water. The watercraft's jet thrust can cause injury. Always accelerate slowly. To prevent accidental starting or unauthorized use, always detach the safety lanyard from the watercraft especially when swimmers are boarding or nearby, or during removal of any weeds or debris from the intake grate. Keep away from intake grate while engine is on. Items such as long hair, loose clothing, or PFD straps can become entangled in moving parts resulting in severe injury or drowning.

⚠ Ride within your limits and avoid aggressive maneuvers to reduce the risk of loss of control, ejection and collision.

www.SeaDooManuals.net

⚠ Riding with a passenger(s) or pulling other crafts, tubes, skies or wakeboards makes the watercraft handle differently and requires greater skill. Do not overload the watercraft or take on more passengers than designated for the particular watercraft. Overloading can affect maneuverability, stability and performance. Avoid adding on accessories, or equipment which may alter your control of the watercraft. The watercraft maybe fitted with tow eyelets which can be used to attach a ski rope. However, do not use these eyelets or the watercraft's cleats to tow a parasail. Severe watercraft damage may occur.

⚠ Always respect the safety and comfort of your passenger(s) and persons being towed on skis, wakeboards or other water products. Always have an observer while towing a skier, proceed with only as much speed as required, and follow the observers instructions. Unless absolutely necessary, do not make tight, sharp turns.

⚠ Know the waters in which the watercraft is to be operated. Current, tides, rapids, hidden obstacles, wakes and waves etc., can affect safe operation. It is not advisable to operate the watercraft in rough or inclement weather.

⚠ Wake or wave jumping or riding the surf line can cause severe personal injury and damage the watercraft. Never attempt to splash others with your watercraft. You may misjudge the ability of the watercraft or your own riding skills and strike a craft or person.

⚠ In shallow water, proceed with caution and at very low speeds. Grounding or abrupt stops may result in injury. Debris may also be picked up and be thrown rearward by the jet pump onto people or property.

⚠ Respect no wake zones, the rights of other water users and the environment. As the "skipper" and owner of a watercraft you are responsible for damage to other crafts caused by the wake of your watercraft. Allow no one to throw refuse overboard.

⚠ Remember that a watercraft is not designed for night time operation.

⚠ Avoid adding on accessories or equipment which may alter the craft's configuration or balance.

⚠ Remember, gasoline fumes are inflammable and explosive. Always adhere to the fueling procedure contained in this guide and those given to you by the marina. Always verify fuel level before use and during the ride. Apply the principle of 1/3 fuel to destination, 1/3 back and 1/3 reserve fuel supply. Do not carry spare fuel or inflammable liquids in any of the storage or engine compartments.

⚠ Combustion engine needs air to operate; consequently this watercraft can not be totally watertight. Any maneuvers such as figure eights etc., that cause the upper deck to be under water may cause severe engine problems due to water ingestion. Refer to "Special procedures" and Limited Warranty contained in this guide.

⚠ Due to the close proximity of other racers, it is recommended that an approved personal watercraft helmet be used during racing events. Read and follow all instructions and warnings provided with the helmet.

www.SeaDooManuals.net

Maintenance

⚠ Only perform servicing procedures which are detailed in this guide. Further assistance or information can be obtained from your authorized Sea-Doo dealer. In many instances proper tools and training is required for certain servicing or repair procedures.

⚠ Maintain the watercraft and equipment in top condition at all times. Adhere to the prescribed maintenance schedules. An annual inspection of the watercraft is always a good recommendation that should be followed.

⚠ Always use spark plug cable grounding device when removing spark plugs.

⚠ The bilge should be kept clean of oil, water or other foreign materials.

⚠ Do not attempt to lift the watercraft without special equipment and training.

⚠ The engine and the corresponding components identified in this guide should not be utilized on product(s) other than for those they were designed. Maintenance procedures and specified tightening torque should be strictly adhered to. Never attempt repairs unless the appropriate tools are available. These watercrafts are designed with parts dimensioned in both the metric and the imperial systems. When replacing fasteners, make sure to use only those recommended by Bombardier. If required, contact your authorized Sea-Doo dealer for further servicing information.

⚠ Never ride after consuming drugs or alcohol. Operate your craft prudently and have fun. Don't forget that all persons must assist other boaters in an emergency.

www.SeaDooManuals.net

LIST OF DISTRIBUTORS

NORTH AMERICA

U.S.A. (Except Puerto Rico)	**BOMBARDIER MOTOR CORPORATION OF AMERICA** 5000 STEWART AVENUE WAUSAU, WI 54401 Phone: (715) 842-8886 Fax: (715) 848-3455 http://www.bombardier.com

CANADA Alberta British Columbia Manitoba North West Territories Nunavut Ontario Quebec Saskatchewan Yukon New-Brunswick Nova Scotia Prince Edward Island	**BOMBARDIER** RECREATIONAL PRODUCTS 75, J. A. BOMBARDIER ST. SHERBROOKE, QC J1L 1W3 Phone: (819) 566-3366 Fax: (819) 566-3062 http://www.bombardier.com
Newfoundland	**CHARLES R. BELL** P.O. BOX 1050 RIVERSIDE DRIVE CORNER BROOK, NFLD A2H 6J3 Phone: (709) 634-3533 FAX: (709) 634-2444

If your Sea-Doo watercraft requires warranty service, you should take it to any authorized Sea-Doo dealer. Be sure to bring your warranty registration card or other valid proof of the original date of purchase. If a question or problem arises regarding warranty, first contact the service manager or owner of the Sea-Doo dealership.

To find the nearest authorized Sea-Doo dealer, dial: 1-800-882-2900.

NOTE: If outside North America, consult the local authorized Sea-Doo distributor.

www.SeaDooManuals.net

BOMBARDIER LIMITED WARRANTY NORTH AMERICA: 2000 SEA-DOO® WATERCRAFT

1. WARRANTY COVERAGE PERIOD

In Canada, BOMBARDIER INC. ("Bombardier"), and in the USA, Bombardier on behalf of BOMBARDIER MOTOR CORPORATION OF AMERICA (BMCA), warrants FROM THE DATE OF DELIVERY TO THE FIRST CONSUMER that each 2000 SEA-DOO watercraft sold, as NEW and UNUSED and PREDELIVERED by an authorized North American SEA-DOO watercraft dealer, will be free from any defects in material and/or workmanship for a PERIOD of:

a) For private owners:

- TWELVE (12) CONSECUTIVE MONTHS.

SEA-DOO RX-DI AND SEA-DOO GTX-DI MODELS

- TWELVE (12) CONSECUTIVE MONTHS for the emission related components providing input to emission control. (e.g. sensors)

b) For commercial use:

- FOUR (4) CONSECUTIVE MONTHS.

SEA-DOO RX-DI AND SEA-DOO GTX-DI MODELS

- TWELVE (12) CONSECUTIVE MONTHS for the emission related components providing input to emission control. (e.g. sensors)

All genuine Bombardier accessories, installed by an authorized SEA-DOO dealer at the time of delivery of the new and non-current new and unused SEA-DOO watercraft, carry the same Warranty Coverage Period as for the SEA-DOO wartercraft.

2. WHAT BOMBARDIER WILL DO

BOMBARDIER will repair or replace, at its option, all genuine BOMBARDIER part found defective in material and/ or workmanship, under normal use, maintenance and service, with a genuine BOMBARDIER part without charge for parts and labor, at any authorized SEA-DOO dealer during the Warranty Coverage Period.

3. CONDITION TO HAVE WARRANTY WORK VALIDATED

The customer must notify an authorized SEA-DOO watercraft dealer within two (2) days of the appearance of the defect in material and/or workmanship and present to the servicing authorized SEA-DOO dealer the SEA-DOO Warranty Registration Card or a proof of purchase of the NEW and UNUSED 2000 SEA-DOO watercraft and must sign the repair/work order prior to the start of the repair in order to validate a warranty repair. All parts replaced under this limited warranty become the property of BOMBARDIER.

4. EXCLUSIONS - ARE NOT WARRANTED

- Normal wear and tear items;
- Labor, parts and lubricant costs of all maintenance services.
- Damages caused by failure to provide proper maintenance and/or storage, as described in the *"2000 SEA-DOO Watercraft Operator's Guide"* ;
- Damages resulting from improper repairs, modifications or use of non-approved parts or, repairs not performed by a authorized SEA-DOO dealer;
- Damages resulting from abuse, misuse, neglect, racing;
- Damages resulting from accident, fire, theft, vandalism or any act of God;
- Incidental or consequential damages, or damages of any kind such as but not limited to towing charges, telephone calls or taxi;
- Water damages caused by water ingestion;
- Damages related to gel coat finish including but not limited to cosmetic gel coat finish, blisters or fiberglass delamination caused by blisters, crazing, spyder or hairline cracks; and
- Damages resulting from improper service or maintenance.

www.SeaDooManuals.net

5. LIMITATIONS OF LIABILITY

This warranty gives you specific rights, and you may also have other legal rights which may vary from state to state, or province to province. WHERE APPLICABLE, THIS WARRANTY IS EXPRESSLY GIVEN AND ACCEPTED IN LIEU OF ANY AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.

Neither the distributor, any authorized SEA-DOO dealer nor any other person has been authorized to make any affirmation, representation or warranty other than those contained in this warranty, and if made, such affirmation, representation or warranty shall not be enforceable against BOMBARDIER or any other person.

In no event shall BOMBARDIER be liable for special, consequential or incidental damages, including but not limited to loss of use and transportation costs. Some states or provinces do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above limitation or exclusion may not apply.

BOMBARDIER reserves the right to modify this warranty at any time, being understood that such modification will not alter the warranty conditions applicable to the SEA-DOO sold while this warranty is in effect.

6. TRANSFER

If the customer sells the SEA-DOO watercraft guaranteed under the present, he shall assign and transfer this warranty, which shall be valid for the rest of the relevant PERIOD as defined in section 1 hereinabove, to the new customer.

7. CONSUMER ASSISTANCE

a) In the event of a controversy or a dispute arising in connection with this BOMBARDIER LIMITED WARRANTY, BOMBARDIER suggests that you try to resolve the issue at the dealership level. We recommend discussing the issue with the authorized dealer's service manager or owner.

b) If further assistance is required, Bombardier`s service department should be contacted in order to resolve the matter in Canada and the USA.

c) If the issue has still not been resolved, please submit in writing your complaint to:

In Canada and USA:

BOMBARDIER INC.
RECREATIONAL PRODUCTS

CUSTOMER ASSISTANCE CENTER
75, J.-A. BOMBARDIER STREET
SHERBROOKE, QC
J1L 1W3
Tel.: (450) 532-5000

BOMBARDIER
RECREATIONAL PRODUCTS

SEPTEMBER 1999
® Trademark of Bombardier Inc. and/or its subsidiaries.

www.SeaDooManuals.net

BOMBARDIER INTERNATIONAL LIMITED WARRANTY: 2000 SEA-DOO® WATERCRAFT

1. WARRANTY COVERAGE PERIOD

BOMBARDIER INC. ("Bombardier"), as manufacturer, warrants FROM THE DATE OF DELIVERY TO THE FIRST CONSUMER that each 2000 SEA-DOO Watercraft sold anywhere in the world except the United States and Canada, as NEW and UNUSED and PREDELIVERED by an authorized SEA-DOO watercraft dealer, duly appointed by an authorized SEA-DOO International Distributor, will be free from any defects in material and/or workmanship for a PERIOD of:

a) For private owners:

- TWELVE (12) CONSECUTIVE MONTHS.

SEA-DOO RX-DI AND SEA-DOO GTX-DI MODELS

- TWELVE (12) CONSECUTIVE MONTHS for the emission related components providing input to emission control. (e.g. sensors)

b) For commercial use:

- FOUR (4) CONSECUTIVE MONTHS.

SEA-DOO RX-DI AND SEA-DOO GTX-DI MODELS

- TWELVE (12) CONSECUTIVE MONTHS for the emission related components providing input to emission control. (e.g. sensors)

All genuine Bombardier accessories, installed by an authorized SEA-DOO watercraft dealer at the time of delivery of the new and unused SEA-DOO watercraft, carry the same Warranty Coverage Period as for the SEA-DOO wartercraft.

2. WHAT BOMBARDIER WILL DO

BOMBARDIER through the local authorized SEA-DOO International Distributor will, during the Warranty Coverage Period, repair or replace, at its option, all genuine BOMBARDIER part found defective in material and/ or workmanship, under normal use, maintenance and service, with a genuine BOMBARDIER part without charge for parts and labor, at any local authorized SEA-DOO watercraft dealer.

3. CONDITION TO HAVE WARRANTY WORK VALIDATED

The customer must notify a local authorized SEA-DOO watercrafts dealer within two (2) days of the appearance of the defect in material and/or workmanship and present to the servicing authorized SEA-DOO watercraft dealer the SEA-DOO Warranty Registration Card or a proof of purchase of the NEW and UNUSED 2000 SEA-DOO watercraft and must sign the repair/work order prior to the start of the repair in order to validate a warranty repair. All parts replaced under this limited warranty become the property of BOMBARDIER.

4. EXCLUSIONS - ARE NOT WARRANTED

- Normal wear and tear items;
- Labor, parts and lubricant costs of all maintenance services;
- Damages caused by failure to provide proper maintenance and/or storage, as described in the *"2000 SEA-DOO Watercraft Operator's Guide"* ;
- Damages resulting from improper repairs, modifications or use of non-approved parts or, repairs not performed by a authorized SEA-DOO watercraft dealer;
- Damages resulting from abuse, misuse, neglect, racing;
- Damages resulting from accident, fire, theft, vandalism or any act of God;
- Incidental or consequential damages, or damages of any kind such as but not limited to towing charges, telephone calls or taxi;
- Water damages caused by water ingestion;
- Damages related to gel coat finish including but not limited to cosmetic gel coat finish, blisters or fiberglass delamination caused by blisters, crazing, spyder or hairline cracks; and
- Damages resulting from improper service or maintenance.

www.SeaDooManuals.net

5. LIMITATIONS OF LIABILITY

This warranty gives you specific rights, and you may also have other legal rights resulting from the application of mandatory national laws which may vary from country to country. WHERE APPLICABLE, THIS WARRANTY IS EXPRESSLY GIVEN AND ACCEPTED IN LIEU OF ANY AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.

In no event shall BOMBARDIER be liable for special, consequential or incidental damages, including but not limited to loss of use and transportation costs. Some countries do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above limitation or exclusion may not apply.

Neither the SEA-DOO international distributor, the selling local authorized SEA-DOO watercrafts dealer nor any other person has been authorized to make any affirmation, representation or warranty other than those contained in this warranty, and if made, such affirmation, representation or warranty shall not be enforceable against BOMBARDIER or any other person.

Every SEA-DOO watercraft is sold with the English version of this warranty. Some authorized SEA-DOO International Distributor may elect to translate this warranty into local language, it is then understood and agreed that in the event of any discrepancies or inconsistencies between the two versions, the English version shall prevail.

It is the customer's responsibility to ensure that the SEA-DOO watercraft complies with all boating regulations and standards of any country, other than the original country of sale, where the SEA-DOO watercraft is intended to be used.

BOMBARDIER reserves the right to modify this warranty at any time, being understood that such modification will not alter the warranty conditions applicable to the SEA-DOO watercraft sold while this warranty is in effect.

6. TRANSFER

If the customer sells the SEA-DOO watercraft guaranteed under the present, he shall assign and transfer this warranty, which shall be valid for the rest of the relevant PERIOD as defined in section 1 hereinabove, to the new customer.

7. CONSUMER ASSISTANCE

a) In the event of a controversy or a dispute arising in connection with this BOMBARDIER INTERNATIONAL LIMITED WARRANTY, BOMBARDIER suggests that you try to resolve the issue at the dealership level. We recommend discussing the issue with the authorized dealer's service manager or owner.

b) If further assistance is required, the authorized local SEA-DOO INTERNATIONAL DISTRIBUTOR's Service Department should be contacted in order to resolve the matter.

c) If the issue has still not been resolved, please submit in writing your complaint to:

BOMBARDIER INC.
RECREATIONAL PRODUCTS

CUSTOMER ASSISTANCE CENTER
75, J.-A. BOMBARDIER STREET
SHERBROOKE, QUEBEC
J1L 1W3
PHONE: (450) 532-5000

BOMBARDIER
RECREATIONAL PRODUCTS

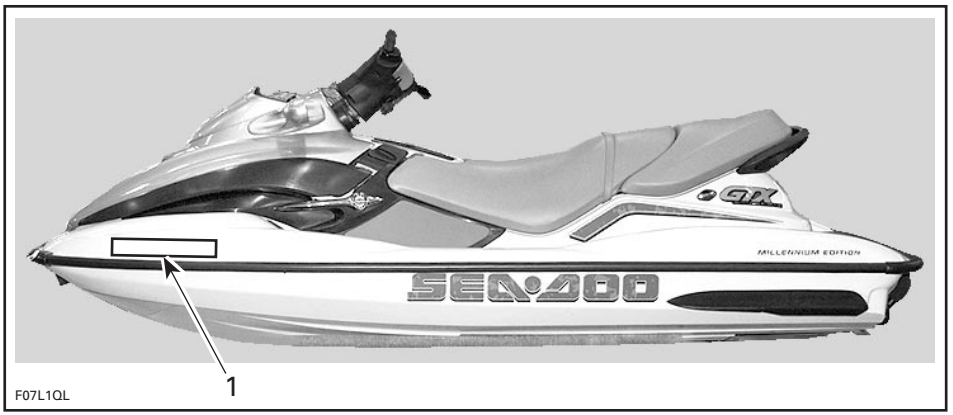
SEPTEMBER 1999
® Trademark of Bombardier Inc. and/or its subsidiaries

www.SeaDooManuals.net

REGISTRATION NUMBER LOCATION

All personal watercraft are required by federal law to be registered and legally numbered.

Due to space availability for proper display of registration number, refer to following illustration for location. The registration number should appear on each side of the watercraft.



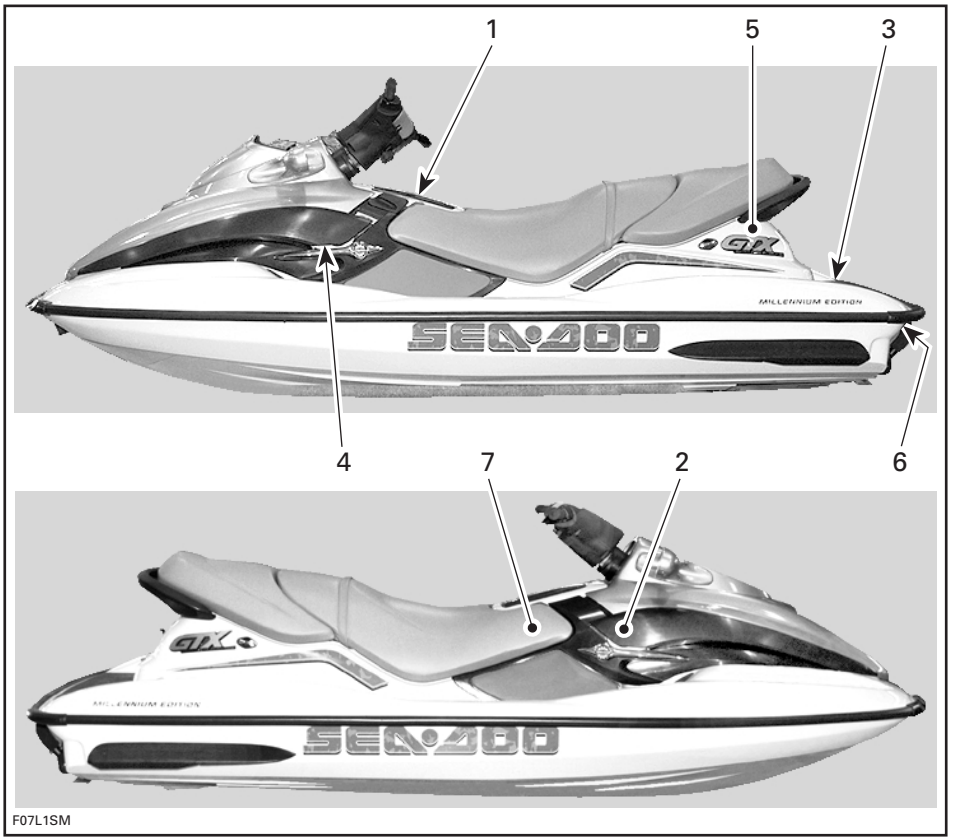
1. Registration number location

NOTE: The registration number must be above the water line. Ensure also that the numbers are of the correct size and color. Check with local regulations.

www.SeaDooManuals.net

LOCATION OF THE IMPORTANT LABELS

Please read the following labels carefully before operating this watercraft.



F07L1SM

Label 1

⚠ WARNING

Read all warning labels, Operator Guide & safety documents before operating. Severe injury or death can result from ignoring such information or improper use or the watercraft.

- Check throttle & steering operation before starting engine.
- Directional control is reduced when throttle is released and lost when engine is off.
- Do not splash others or jump waves or wakes with this watercraft.
- Properly attach safety tether to your PFD.
- Keep a safe distance from other water users. Observe boating regulations.
- This watercraft is not designed for night-time operation.
- Seating is limited to one operator and one passenger (XXX lbs./XXX kg.).

F12L06Y

Label 2

▼ CAUTION

USE BOMBARDIER-ROTAX SYNTHETIC TWO-STROKE OIL OR EQUIVALENT HIGH QUALITY SYNTHETIC OIL.

Use of any other oil during the warranty coverage period will void the limited warranty.
Never use NMMA TC-W, TC-WII or TC-W3 outboard motor oils.

F01L9EY

CARBURETOR-EQUIPPED MODELS

www.SeaDooManuals.net

Label 2

▼ CAUTION

USE BOMBARDIER-ROTAX FORMULA XP-S DI SYNTHETIC OIL ONLY.

Use of any other oil during the warranty coverage period will void the limited warranty.

F12L08Y

DI MODELS

Label 3

"THIS BOAT IS NOT REQUIRED TO COMPLY WITH THE FOLLOWING U.S. COAST GUARD SAFETY STANDARDS IN EFFECT ON THE DATE OF CERTIFICATION:

- Fuel System
- Display of Capacity Information
- Safe Loading
- Flotation
- Powered Ventilation

AS AUTHORIZED BY U.S. COAST GUARD GRANT OF EXEMPTION (CGB 88-001)."

Bombardier Corp. 7575 Bombardier Court, Wausau, WI 54401

Made in Canada/Fabriqué au Canada	Bombardier Inc. Rd./Enr.,1988

F02L2D0

Label 4

◆WARNING

WHILE FUELING, STOP ENGINE. FUEL TANK MAY BE PRESSURIZED, SLOWLY TURN CAP WHEN OPENING. KEEP WATERCRAFT LEVEL. DO NOT OVERFILL. CHECK OIL LEVEL. PERIODICALLY, VERIFY FUEL SYSTEM.

F01L6V0

Label 5

• WARNING

DO NOT BOOST BATTERY WHILE INSTALLED.

F00L050

Label 6

▼ CAUTION

TO AVOID POSSIBLE ENGINE FLOODING WHEN ROLLED OVER:

- MAKE SURE ENGINE IS OFF
- GRAB INLET GRATE AND STEP ON BUMPER RAIL
- ROLL BOAT COUNTERCLOCKWISE

F06L0DZ

Label 7

Emission Control Information BOMBARDIER *RECREATIONAL PRODUCTS*

THIS ENGINE IS CERTIFIED TO OPERATE ON UNLEADED GASOLINE AND CONFORMS TO 1999 U.S. EPA REGULATIONS FOR MARINE SI ENGINES.

ENGINE FAMILY:	XXX
FEL:	XXX GM/KW-HR HC + NO_x
ENGINE DISPLACEMENT:	XXX CC
EXHAUST EMISSION CONTROL SYSTEM:	XXX

TUNE-UP SPECIFICATIONS

IDLE SPEED:	XXX RPM ± 200
SPARK PLUG TYPE:	XXX
SPARK PLUG GAP:	XXX IN.

F00L0J1

Label 8

⚠ WARNING

COMPONENTS INSIDE

WATERCRAFT MAYBE HOT.

F00L2FY

DI MODELS ONLY

www.SeaDooManuals.net

IDENTIFICATION NUMBERS

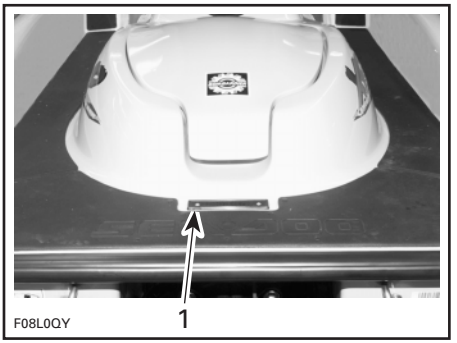
The main components of the watercraft (engine and hull) are identified by different serial numbers. It may sometimes become necessary to locate these numbers for warranty purposes or to trace the watercraft in the event of theft.

Hull

The Hull Identification Number (H.I.N.) is located on footboard at the rear of watercraft.

RX/DI MODELS

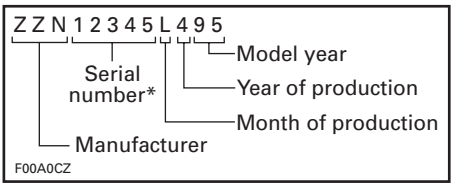
1. Hull Identification Number



GTX DI MODELS

1. Hull Identification Number

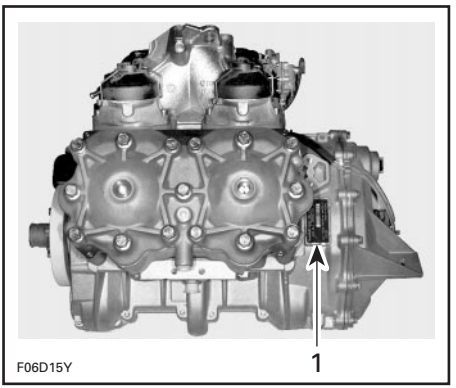
It is composed of 12 digits:



*A letter may also be used as a digit.

Engine

The Engine Identification Number (E.I.N.) is located on the upper crankcase on MAGNETO side.



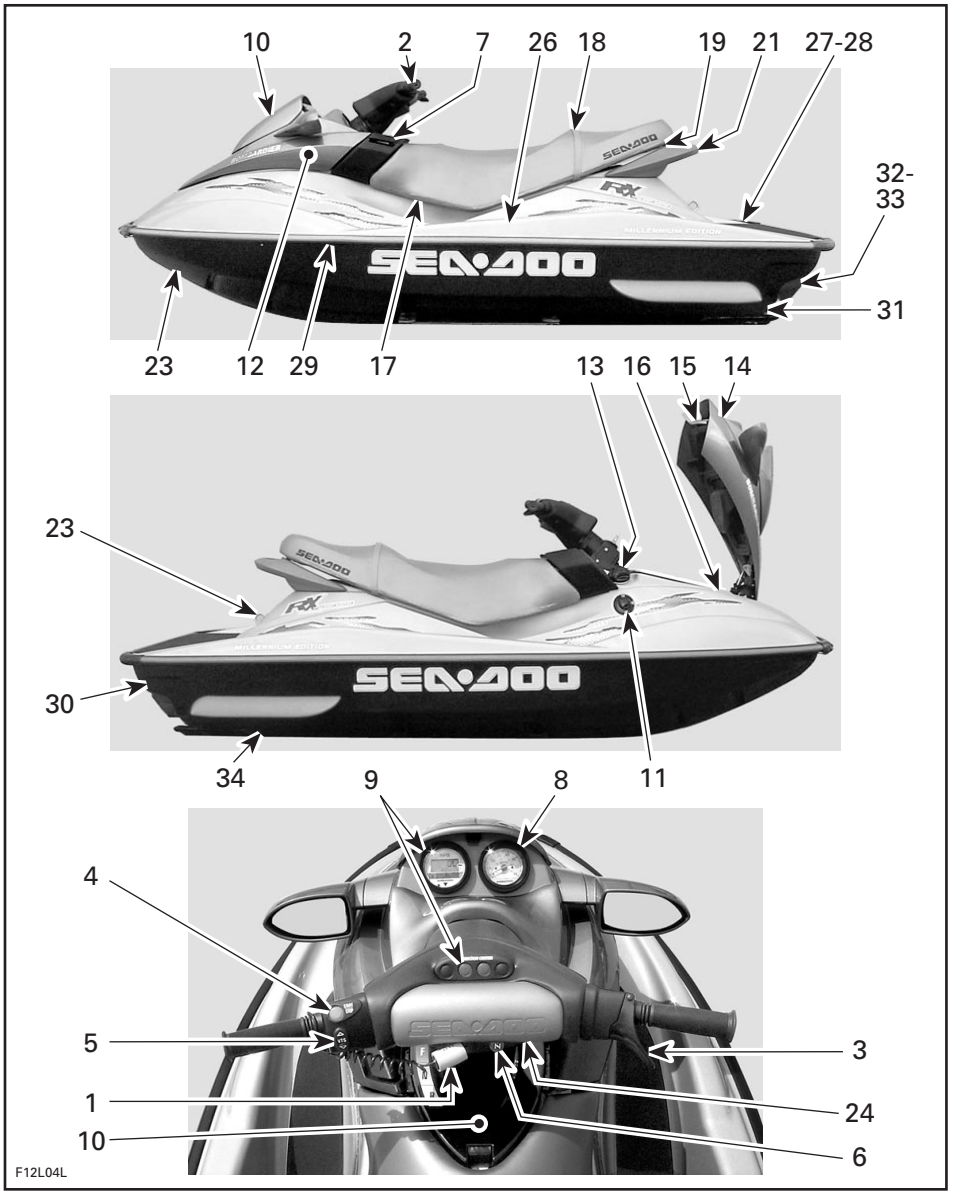
1. Engine Identification Number

www.SeaDooManuals.net

CONTROLS AND COMPONENT LOCATION

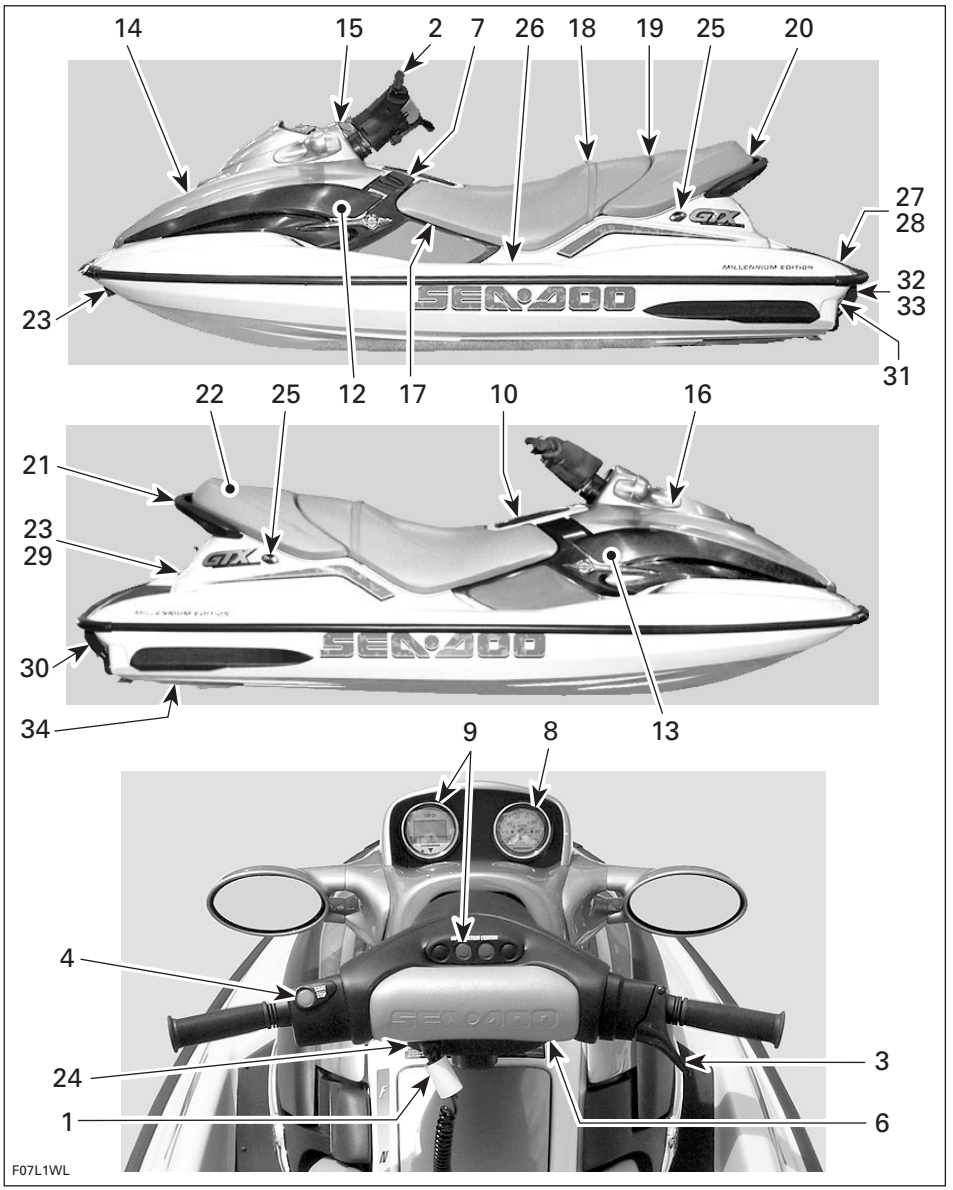
NOTE: Some components do not apply or are optional on some models.

RX/DI Models



www.SeaDooManuals.net

GTX DI Models



www.SeaDooManuals.net

1. Safety Lanyard
2. Handlebar
3. Throttle Lever
4. Engine Start/Stop Button
5. Variable Trim System (VTS) Button
6. Choke Lever
7. Shift Lever
8. Speedometer
9. Information Center Gauge/Buttons
10. Glove Box
11. Fuel Tank Valve
12. Fuel Tank Cap
13. Oil Injection Reservoir Cap
14. Front Storage Compartment Cover
15. Front Storage Compartment Cover Latch
16. Tool Kit
17. Air Intake Opening
18. Seat Strap
19. Seat Latch
20. Seat Extension Latch
21. Rear Grab Handle
22. Rear Storage Basket
23. Bow and Stern Eyelets
24. Mooring Cleats
25. Cargo Cleats
26. Footboard
27. Boarding Pads
28. Boarding Platform
29. Cooling System Bleed Outlet
30. Flushing Connector
31. Bilge Drain Plugs
32. Jet Pump Nozzle
33. Reverse Gate
34. Jet Pump Water Intake

www.SeaDooManuals.net

COMPONENTS FUNCTIONS

1) Safety Lanyard

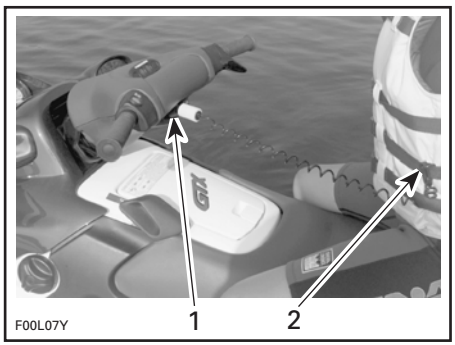
The safety lanyard cap should be securely snapped onto its switch to be fully operational.

Pulling the safety lanyard cap from the switch stops the engine operation. Attach the safety lanyard to the operator's Personal Flotation Device (PFD) and snap the cap to the switch to be able to start the engine.

Two short beeps indicates the system is ready to allow engine starting. Otherwise, refer to the TROUBLESHOOTING section for the coded signals chart.

⚠ WARNING

Should the safety lanyard cap become loose or fail to remain on its switch, replace it immediately in order to avoid unauthorized use or theft.



1. *Safety lanyard cap on the switch*
2. *Safety lanyard secured on operator's PFD*

⚠ WARNING

Should the engine be stopped, watercraft directional control is lost. Always disconnect safety lanyard when leaving watercraft.

⚠ WARNING

Do not lubricate the safety lanyard post.

Digitally Encoded Security System (DESS)

The safety lanyard cap specifically contains an electronic circuit that gives it a unique electronic serial number.

This safety lanyard cannot be used on another watercraft and conversely, the one from another watercraft cannot be used on your watercraft.

However, the DESS brings a great flexibility. You can buy an additional safety lanyard and have it programmed for your watercraft.

The **DI models** also offers a special safety lanyard — the Sea-Doo LK™ (Learning Key) — which can be programmed so that the vehicle can be run only at a limited speed. Such feature is ideal for first time riders.

To have additional safety lanyard, refer to an authorized Sea-Doo dealer.

If the engine is stopped with the start/stop button while the safety lanyard remains on the switch, it can be restarted within approximately 10 minutes by pressing the engine start/stop button. After this delay, it is necessary to apply a slight pressure or the removal and reinstallation of the safety lanyard on the switch to allow engine starting.

⚠ WARNING

While engine can be stopped using the engine start/stop button, good habits recommend that the safety lanyard also be disconnected when stopping.

www.SeaDooManuals.net

2) Handlebar

The handlebar controls the direction of the watercraft. Turning the handlebar to the right steers the watercraft to the right and inversely.

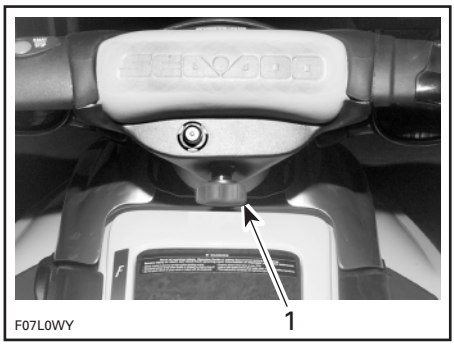
⚠ WARNING

Check handlebar and corresponding steering nozzle operation before starting.

Adjustment (if so equipped)

The handlebar height can be adjusted to suit rider preferences.

To perform this adjustment, turn the knob underneath the handlebar.



TYPICAL

1. *Adjustment knob*

3) Throttle Lever

When the throttle lever is squeezed, the watercraft accelerates. When fully released, engine automatically slows down to idle speed and watercraft is gradually **stopped** by water drag.

⚠ WARNING

Check throttle lever operation before starting the engine. Directional control is lost when engine is stopped.

Carburetor-Equipped Models

Do not depress lever unnecessarily when engine is not running. A fuel accelerator pump delivers fuel to the engine each time throttle lever is applied.

CAUTION: Engine can be flooded if throttle lever is unnecessarily applied several times. If engine is flooded, it will not start.

4) Engine Start/Stop Button

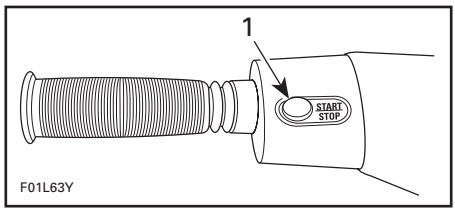
All Models

To start engine, depress and hold the start/stop button. Release immediately after engine is started.

To stop engine, fully release throttle lever then depress the start/stop button and disconnect safety lanyard from the switch.

⚠ WARNING

Directional control is lost when engine is stopped.



1. *Engine start/stop button*

With the Digitally Encoded Security System, leaving the safety lanyard for more than 10 minutes after stopping the engine will require a slight pressure or the removal and reinstallation of the safety lanyard on the switch to allow engine starting.

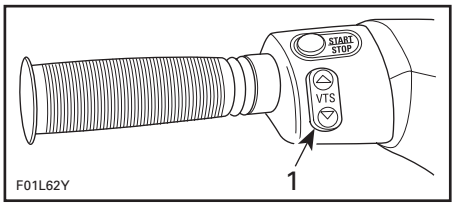
www.SeaDooManuals.net

All Models

5) Variable Trim System Button (VTS) (if so equipped)

Located just below engine start/stop button, this button is used to change pump nozzle position and to adjust ride to suit watercraft load and water conditions.

A VTS position indicator is included in the information center gauge. See elsewhere in this section.



1. VTS button

6) Choke Lever

Carburetor-Equipped Models

The choke is provided to supply a richer fuel/air mixture when starting a cold engine.

Choke lever should be pulled and held to operate. Lever will automatically return to its normal position when released.

7) Shift Lever

A push-pull lever:

– forward
– neutral (if so equipped)
– reverse

RX Models

From the forward position, pull the lever to reverse. Push back to go to forward. Always set in forward when finished. To find the neutral, set in reverse then push back until the watercraft stops moving backwards.

GTX DI Models

From the forward position, pull the lever to neutral or reverse as desired. Push back to go to previous positions. Always set in forward when finished.

⚠ WARNING

Shift lever should only be used when the engine is idling and watercraft is completely stopped. Only use reverse at slow speed and for the shortest time possible. Always ensure the path behind is clear of obstacles, swimmers and children playing in shallow water. Never rev the engine at high RPM in reverse. Do not use reverse to stop the watercraft.

8) Speedometer

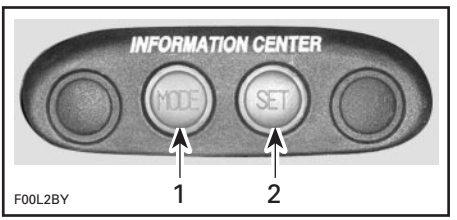
Analog speedometer indicates the speed of watercraft in miles per hour (MPH) and kilometers per hour (km/h).

The speed sensor mounted on the ride plate sends the signal to the speedometer and information center.

9) Information Center Gauge/Buttons

NOTE: With the safety lanyard disconnected, information center can be activated for approximately 33 seconds by depressing the engine start/stop button.

This is a LCD multifunction gauge. Different displays and functions can be activated using 2 buttons — MODE and SET — following specific sequences as described below.



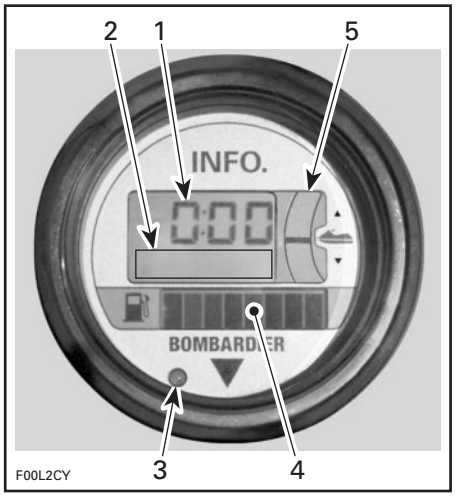
1. To change display mode
2. To set or reset a function

www.SeaDooManuals.net

Resetting a Function

To reset a function (such as the chronometer, peak speed, distance, etc.,) press and hold the SET button for 2 seconds while in the appropriate mode.

The information center includes the following display areas.

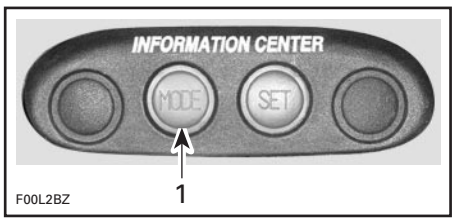


1. *General display*
2. *Message/units display*
3. *Warning light*
4. *Fuel level display*
5. *VTS position indicator (**if so equipped**)*

General Display

The default display is the clock (or clock/compass **if so equipped**) unless another mode has been selected. See **Display Priorities** below.

Repeatedly pressing the MODE button scrolls the following displays: Tachometer, speedometer, peak speed, average speed, trip meter, hourmeter, water temperature, exterior temperature (**if so equipped**) and chronometer.



1. *Press to change display mode*

When you are satisfied with your choice, stop pressing the button.

Clock: Indicates the actual time in hours and minutes (hh:mm).

Clock/Compass (if so equipped): Displays the cardinal points to indicate the orientation of the watercraft.

⚠ WARNING

Use the compass as a guide only. Not to be used for navigation purposes.

Tachometer: Indicates the revolutions per minute (RPM) of the engine.

Speedometer: Indicates the speed of watercraft in kilometers per hour (KPH) or miles per hour (MPH).

Peak Speed: Indicates the top speed the watercraft reached (PK KPH or PK MPH).

Average Speed: The information center approximately calculates and displays the average speed (AV KPH or AV MPH) of the watercraft since the last engine start.

Trip Meter: The information center approximately calculates the distance based on the operation time and the watercraft speed and displays the result in kilometers (KM) or miles (MILES).

Hourmeter: Displays the time in hours of the watercraft usage.

Water Temperature: Displays the water temperature (L TEMP) in degrees Celsius (°C) or Farenheit (°F).

Exterior Temperature (if so equipped): Displays the exterior air temperature (E TEMP) in degrees Celsius (°C) or Fahrenheit (°F).

Chronometer: Allows to measure an interval of time in hours and minutes (hh:mm).

www.SeaDooManuals.net

Message Display

The Information Center features a display area that blinks a message whenever one of the following circumstances occurs:

- compass error (COMPAS)
- maintenance (MAINT)
- engine overheating (H-TEMP)
- low fuel (FUEL-LO)
- low oil (OIL LOW)
- low voltage (12 V LOW)
- fuel injection system sensors and major components (**DI models**)

Except for low fuel and low oil, which can be corrected by refilling, it is recommended to see an authorized Sea-Doo dealer when other messages occur.

The warning light will blink at the same time.

Warning Light

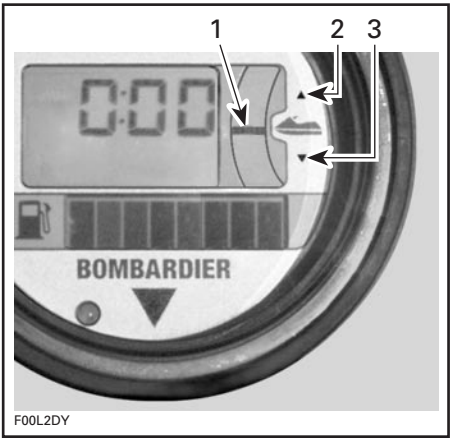
The red warning LED (Light-Emitting Diode) blinks along with the message display to catch your attention.

Fuel Level Display

Bar gauge continuously indicates the amount of fuel in the fuel tank while riding. A low-fuel condition is also indicated when it occurs. See **Message Display** above.

VTS Position Indicator (if so equipped)

The VTS position indicator shows the riding angle of the watercraft.



1. Position indicator
2. Bow up
3. Bow down

Display Priorities

The clock, (clock/compass, **if so equipped**) is the default display mode. The default display is the one that appears when the information center is first activated or displayed back after an alternate display was chosen.

The tachometer, speedometer and chronometer, are the only other modes that may be chosen to replace the default display. When one of these is selected, it will become the default display until it is changed again.

When another display mode is chosen, the default display will be displayed back after 4 seconds.

As a self test, all LCD segments and the LED will turn on for 3 seconds each time the information center is activated.

In the event of a warning message, the message will blink and override the units display.

If more than one warning message occurs, the blinking messages will scroll every 4 seconds.

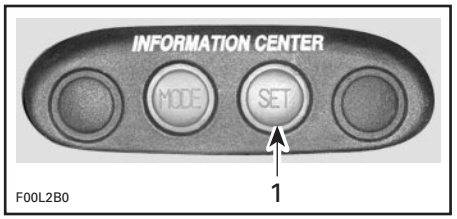
www.SeaDooManuals.net

Other Functions

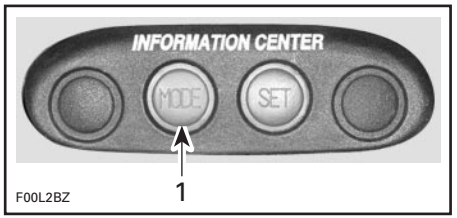
The following describes how to select other available functions.

Language Option

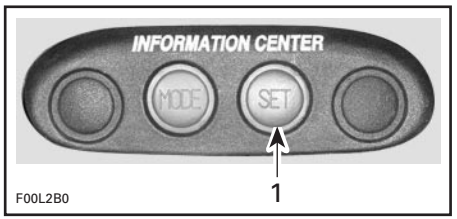
While in the clock/compass mode:



1. *Press and hold for 2 seconds*



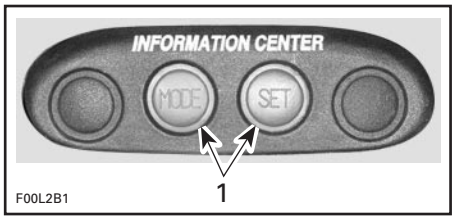
1. *Repeatedly press*



1. *Press to end*

English/Metric System

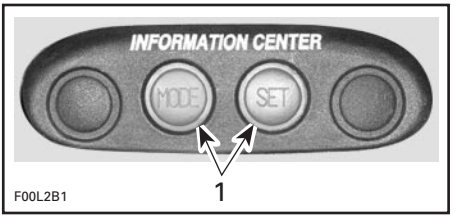
Allows to display the units in the metric system or in the SAE English system.



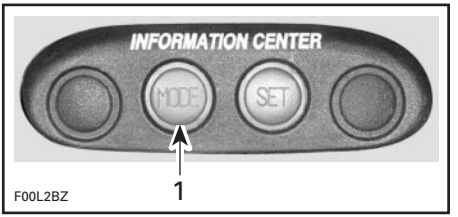
1. *Press TOGETHER and hold for 2 seconds*

Clock Adjustment

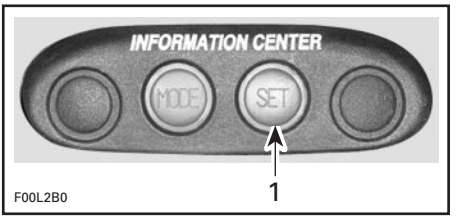
While in the clock/compass mode:



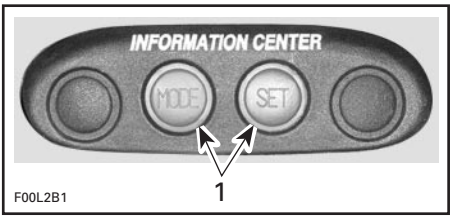
1. *Press TOGETHER and hold for 2 seconds*



1. *Repeatedly press to adjust HOURS*



1. *Repeatedly press to adjust MINUTES*



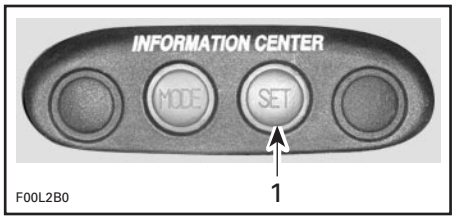
1. *Press TOGETHER to end*

NOTE: If MODE and SET buttons are not pressed at the end, the default display will come back after 10 seconds and the time entered will remain.

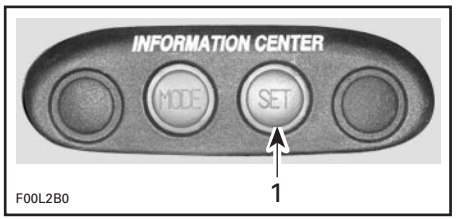
www.SeaDooManuals.net

Chronometer

While in the chronometer mode:



1. Press to start or stop chronometer

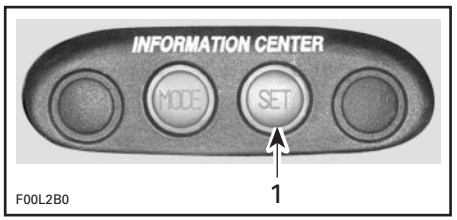


1. Press and hold for 2 seconds to reset

Maintenance Information

When the watercraft is due for a maintenance inspection, the message MAINT will blink.

To clear the warning message while it is blinking:



1. Press and hold for 2 seconds to reset

NOTE: If maintenance message (MAINT) continues to blink, it indicates a fault with the fuel injection system on **Di models**. Refer to an authorized Sea-Doo Dealer for servicing.

10) Glove Box

A small, convenient storage compartment for personal articles.

11) Fuel Tank Valve

Carburetor-Equipped Models

A 3-position rotating valve: OFF, ON and RESERVE:

OFF: Stop fuel supply to carburetor(s).

CAUTION: Turn valve to OFF position when watercraft is not operated.

ON: Allows fuel to flow to carburetor(s). This is the normal position for operation of watercraft.

CAUTION: Improper opening of fuel valve may restrict flow of fuel and may lead to engine damage. Make sure valve is fully opened while running.

RES: Use when the watercraft has run out of fuel in the ON position.

Always refill the fuel tank at the first opportunity. After refueling, turn the fuel tank valve to the ON position to continue operation.

12) Fuel Tank Cap

Open the front storage compartment cover to expose fuel tank cap.

The tank cap is located on the left hand side of the watercraft.

Unscrew the cap counterclockwise. After fueling, reinstall cap and fully tighten.

⚠ WARNING

Never use a lit match or open flame to check fuel level.

13) Oil Injection Reservoir Cap

Open the front storage compartment cover to expose reservoir cap.

The reservoir cap is located on the right hand side of the watercraft.

To add injection oil in the reservoir, unscrew the cap counterclockwise. Do not overfill. Reinstall cap and fully tighten it.

www.SeaDooManuals.net

14) Front Storage Compartment Cover

It gives access to the front storage compartment. Always relatch cover after closing.

Front Storage Compartment

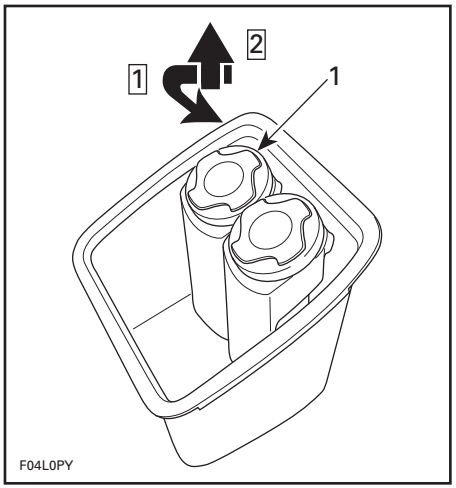
A convenient watertight, removable basket to carry personal articles. Ideal location for spare spark plugs, towrope, first aid kit, etc.

⚠ WARNING

Never leave any heavy or breakable objects in the storage basket. Never store or carry anything below basket. Never operate the craft with any storage compartment cover open.

GTX DI Models

The basket is provided with a holder to store an approved fire extinguisher. Fire extinguisher (sold separately) should not be loose in the front storage compartment. A second holder contains the *Operator's Guide,* the *Safety Handbook* and a tool kit. It can be used to carry personal articles.



TYPICAL

Step 1: Turn cover counterclockwise
Step 2: Lift
1. Holder

RX models

Lift the basket to get access to the holder to store an approved fire extinguisher (sold separately). It also contains the *Operator's Guide,* the *Safety Handbook* and the tool kit.

15) Front Storage Compartment Cover Latch

Pull the latch lever upward in order to open the front storage compartment cover. Always relatch.

NOTE: Verify periodically the lock pin tightness of storage cover. Tighten if needed and make sure storage cover latches properly.

16) Tool Kit

Contains tools needed to perform basic watercraft maintenance.

17) Air Intake Opening

This is where air enters to supply the engine and ventilate the engine compartment. If the air intake opening is kept under water for a long period, water will get inside bilge.

CAUTION: If the air intake opening is kept under water for a long period, such as turning constantly in tight circles, water will get inside bilge, which may cause severe damage to internal parts of the engine.

18) Seat Strap

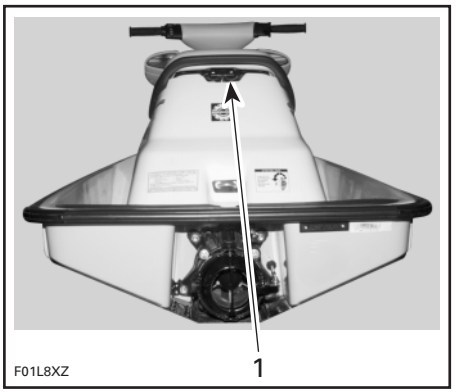
The seat strap provides a handhold to assist boarding and is used as a handhold for the passenger.

www.SeaDooManuals.net

19) Seat Latch

Removing the seat allows access to the engine compartment.

The seat latch is located at the rear end and underneath the seat.



TYPICAL
1. *Seat latch*

To remove seat, pull the latch lever upward and hold. Lift and pull the seat rearward.

NOTE: On the GTX DI models, it is necessary to remove the seat extension first and repeat the same procedure to remove the seat.

Engine Compartment

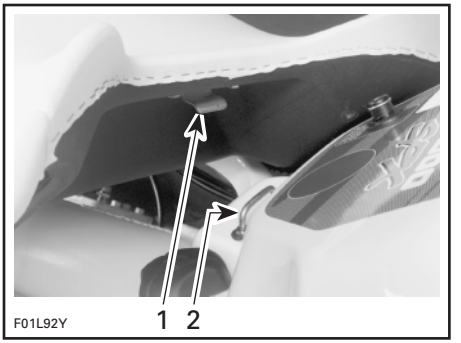
This is where the mechanical, electrical and fuel/oil systems are located.

⚠ WARNING

Components inside engine compartment may be hot. When starting or operating the engine, do not touch any electrical part. Never leave any object, rag, tool, etc., in the engine compartment or in the bilge.

RX Models

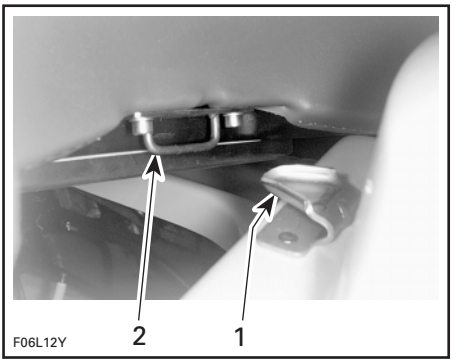
When reinstalling the seat, insert seat front tab into body hook.



RX MODELS
1. *Insert this tab in hook*
2. *Hook*

GTX DI Models

When reinstalling the seat, insert seat hook into body front tab for each portion of the seat.



1. *Insert this tab in hook*
2. *Hook*

Pull latch lever to insert it over the rear lock pin. Release latch lever then firmly push on rear of the seat to relatch.

⚠ WARNING

Periodically verify the seat lock pin and tighten if needed. Make sure seat is securely latched.

www.SeaDooManuals.net

20) Seat Extension Latch (if so equipped)

Removing the seat extension allows access to the rear storage basket. It also gives access to the seat latch on models with a seat extension.

21) Rear Grab Handle

Provides a handhold for boarding when needed and a handhold for the passenger.

CAUTION: Never use the grab handle to tow anything or to lift the watercraft.

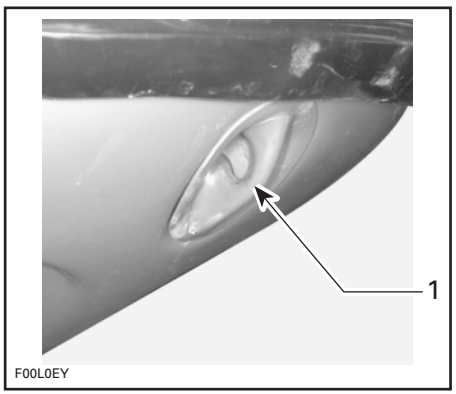
22) Rear Storage Basket (if so equipped)

A convenient watertight, removable basket to carry personal articles.

23) Bow and Stern Eyelets

Bow Eyelet

Eyelets can be used for mooring, towing and as a tie-down point during trailering.

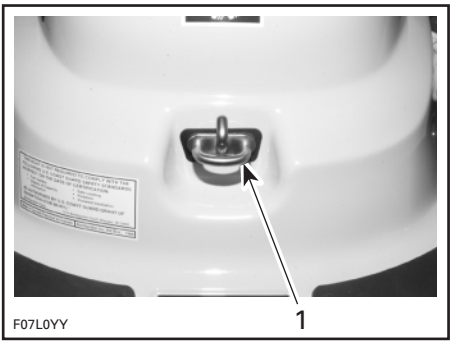


1. Bow eyelet

Stern Eyelet

GTX DI Models

This eyelet allows a rope with a hook, a closed end or an open end to be attached.

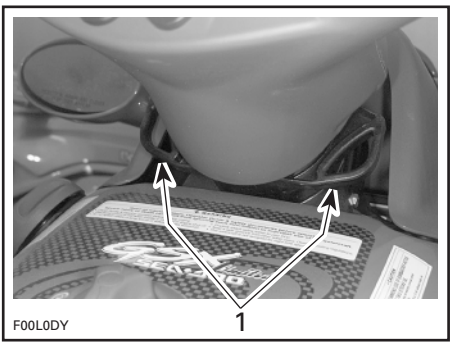


1. Stern eyelet

24) Mooring Cleats

These cleats can be temporarily used for docking, while refueling for example.

CAUTION: Never use mooring cleats to pull or lift the watercraft.



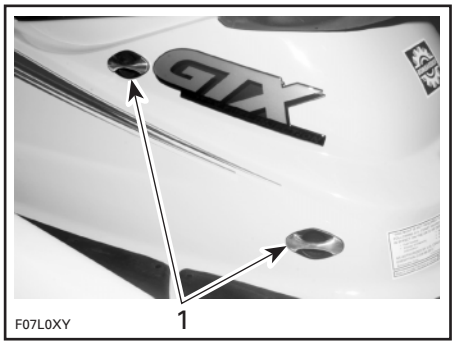
1. Mooring cleats

www.SeaDooManuals.net

25) Cargo Cleats (if so equipped)

These cleats are provided for securing baggage.

CAUTION: Do not use the cleats as a tie-down point for trailering or mooring.



1. Cargo cleats (each side)

26) Footboard

User's feet should rest on the footboard when riding.

27) Boarding Pads

Provide a cushioned surface for the knees when boarding from rear of watercraft.

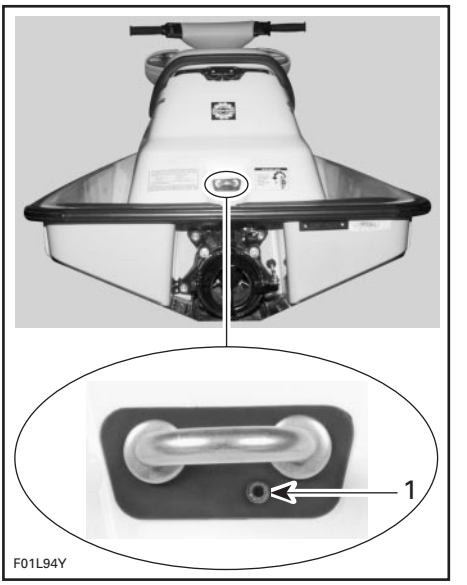
All Models

28) Boarding Platform

Provides a large surface for easier boarding from rear of watercraft.

29) Cooling System Bleed Outlet

GTX DI Models



TYPICAL

1. Bleed outlet

RX Models

1. Bleed outlet

www.SeaDooManuals.net

When engine is running, water should flow from the outlet. This allows air in engine cooling system to escape. It also indicates that water is circulating in the cooling system.

NOTE: It may be required to increase slightly the engine RPM to see the water flowing out.

CAUTION: Should water not flow from outlet a few seconds after engine starts, immediately stop engine and refer to POST-OPERATION CARE and look for cooling system flushing or refer to an authorized Sea-Doo dealer for servicing.

30) Flushing Connector

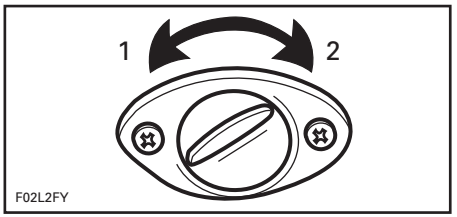
A convenient connector is provided to allow easy installation of a garden hose to flush the cooling system.

Refer to POST-OPERATION CARE section for proper use.

31) Bilge Drain Plugs

Should water be found in the bilge, it can be easily drained by unscrewing the drain plugs when engine is off and watercraft is out of water.

CAUTION: Make sure drain plugs are properly secured prior to launching the watercraft in water.



1. Unscrew
2. Tighten

Tilt the watercraft slightly to the rear so that the water can completely flow out of the bilge.

32) Jet Pump Nozzle

Jet pump nozzle turns side to side via rider input at the handlebar. This provides directional control when engine is running.

⚠ WARNING

Never use nozzle as a supporting point to board the watercraft or to lift it.

33) Reverse Gate

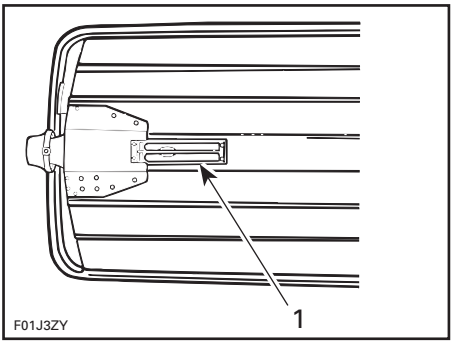
When selecting the neutral (**if so equipped**) or reverse position with the shift lever, the reverse gate moves up (**if equipped** with a neutral) or down to obtain the desired position.

⚠ WARNING

Never use gate as a supporting point to board the watercraft. Do not reverse while at speed.

34) Jet Pump Water Intake

The water is drawn up by the impeller through this opening. The water intake grate minimizes the entry of foreign objects into the propulsion system.



TYPICAL
1. Water intake

www.SeaDooManuals.net

FUEL AND LUBRICATION

Fueling Procedure

⚠ WARNING

Follow these safe boating fueling instructions explicitly.

Do not allow anyone to remain on the watercraft.

Tie watercraft securely to the fueling pier.

Have a fire extinguisher close at hand.

Do not insert the spout too far in filler neck.

Pour fuel slowly so that air can escape from the tank and prevent fuel flow-back. Be careful not to spill fuel.

Stop filling when the fuel reaches the bottom of filler neck. Do not fill into the filler tube to prevent fuel spill out. **Do not overfill.** Fully tighten fuel tank cap.

⚠ WARNING

The tank design makes provision for fuel expansion of about 5%. If this area is filled, fuel will expand and may come out through fuel vent. Always stop the engine before refueling. Fuel is inflammable and explosive under certain conditions. Always work in a well ventilated area. Do not smoke or allow open flames or sparks in the vicinity. Never top off the fuel tank and leave watercraft in the sun. As temperature increases, fuel expands and might overflow. Always wipe off any fuel spillage from the watercraft.

Recommended Fuel

Use unleaded regular gasoline with 87 octane (Ron + Mon)/2 specification.

NOTE: Do not mix oil with fuel except at engine break-in. Refer to BREAK-IN PERIOD. Always check injection oil reservoir level when refueling.

CAUTION: Never experiment with other fuels or fuel ratios. Never use fuel containing more than 10% alcohol, (ethanol or methanol). The use of non-recommended fuel can result in watercraft performance deterioration and damage to critical parts in the fuel system and engine components.

CAUTION: Never use injector cleaning products. They may contain additive that could damage injector components.

Recommended Oil

Carburetor-Equipped Models

Use of BOMBARDIER-ROTAX Formula XP-S synthetic injection oil (or equivalent high quality synthetic oil) available from an authorized Sea-Doo dealer.

This fully synthetic oil provides outstanding lubrication and cleanliness, less friction and wear for greater engine performance and durability.

CAUTION: The engine requires the use of BOMBARDIER-ROTAX Formula XP-S synthetic injection oil (or the equivalent high quality synthetic oil).

www.SeaDooManuals.net

DI Models

Use only two-stroke engine injection oil sold by authorized Sea-Doo dealers.

MODELS	OIL TYPE
RX DI GTX DI	BOMBARDIER FORMULA XP-S DI synthetic injection oil (or equivalent)

CAUTION: Bombardier formulation XP-S DI is specially formulated and tested for use in our 947 DI engines. Use of any other brand of two-stroke oil may void the limited warranty. Use only Bombardier Formula XP-S DI (or equivalent).

The BOMBARDIER FORMULA XP-S DI synthetic injection oil **provides superior lubrication**, reduced engine component wear and oil deposit, thus maintaining maximum-level performance and antifriction properties. This synthetic injection oil meets the latest ASTM and JASO standards by ensuring high biodegradability and low exhaust smoke.

CAUTION: Never use four-stroke petroleum or synthetic motor oil and never mix these with outboard motor oil. Do not use NMMA TC-W, TC-W2 or TC-W3 outboard motor oils or other ashless type two-stroke oil. Avoid mixing different brands of API TC oil as resulting chemical reactions may cause severe engine damage.

Oil Injection System

This watercraft features an oil injection system which does not require manual fuel/oil mixing.

A sufficient amount of injection oil should be maintained in the reservoir.

NOTE: It is recommended to carry a 1 L of spare injection oil.

The use of a funnel is recommended to pour the oil into the reservoir. Stop filling as soon as oil appears at approximately 13 mm (1/2 in) from top of reservoir. Do not overfill.

CAUTION: Always maintain a sufficient amount of injection oil in the oil reservoir. Check and refill every time you refuel if necessary. Do not overfill. If the engine runs out of oil, severe engine damage will occur. If the oil reservoir is found almost empty, air can enter in the system and it should be bled. Immediately refer to an authorized Sea-Doo dealer to have the oil injection system inspected.

www.SeaDooManuals.net

BREAK-IN PERIOD

With Sea-Doo watercraft powered by Rotax® engines, a break-in period of 10 hours is required before continuous operation at full throttle. To achieve a good break-in, vary the engine speed every few minutes with brief wide open throttle accelerations of up to 15 seconds. Continued wide open throttle runs and prolonged cruising without speed variations should be avoided, this can cause engine damage during the break-in period.

Carburetor-Equipped Models

To assure additional protection during the initial engine break-in, it is recommended to add 1 L of the same oil as in the injection oil reservoir in the fuel tank **for the first full fuel tank filling only**.

To add injection oil in the fuel tank, proceed as follows:

Fill fuel tank with approximately 15 liters (4 gal) of gasoline; then, add the injection oil in the fuel.

Fill up fuel tank with gasoline. Do not overfill.

NOTE: It is important to proceed in this order to allow a proper mixing of the oil in the gasoline. If oil is added first in an empty fuel tank, fuel lines will be filled up with injection oil leading in a no start condition of the engine.

CAUTION: Remove and clean spark plugs after engine break-in.

DI Models

Adding injection oil in the fuel tank for the break-in has no noticeable effects on a DI engine.

All Models

10-Hour Inspection

It is highly recommended that after the first 10 hours of operation, the watercraft be checked by an authorized Sea-Doo dealer. This inspection will also provide the opportunity to discuss the unanswered questions you may have encountered during the first hours of operation.

The 10-hour inspection is at the expense of the watercraft owner.

www.SeaDooManuals.net

DAILY PRE-OPERATION CHECKS

Some of the following items may not have been previously covered in this guide, however they will be described in the MAINTENANCE or SPECIAL PROCEDURES section. Please refer to these sections to have more detailed information

⚠ WARNING

Components inside engine compartment may be hot. Only start watercraft once all items have been checked and operate properly.

⚠ WARNING

Safety lanyard should always be removed from its switch prior to verifying any of the following.

ITEM	OPERATION	✓
Hull	Inspect.	
Jet pump water intake	Inspect/clean.	
Bilge	Drain. Ensure plugs are secured.	
Battery	Inspect tightness of cables and retaining strap.	
Fuel tank and oil reservoir	Refill.	
Engine compartment	Check fuel line connections for tightness. Verify for any fuel leak/odor.	
Steering system	Check operation.	
Throttle system	Check operation.	
Shifter system	Check operation.	
VTS (if so equipped)	Check operation.	
Safety lanyard and engine start/stop button	Check operation.	
Storage compartment covers	Ensure they are closed and latched.	

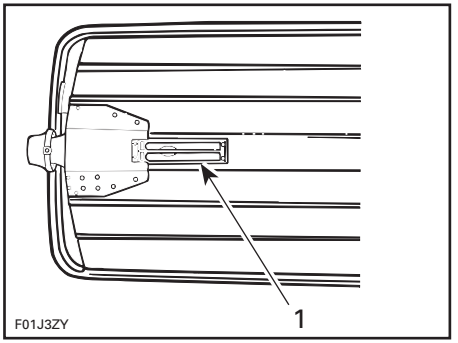
www.SeaDooManuals.net

Hull

Inspect hull for cracks or damage.

Jet Pump Water Intake

Remove weeds, shells, debris or anything else that could restrict the flow of water and damage cooling system or propulsion unit. Clean as necessary. If any obstruction can not be removed, refer to an authorized Sea-Doo dealer for servicing.



TYPICAL

1. Inspect this area

Inspect leading edges of the impeller, if they have nicks or bends performance will be greatly reduced.

Bilge

Should water be present in the bilge, tilt the watercraft to the rear and unscrew drain plugs to completely empty the bilge.

Secure bilge drain plugs.

Battery

⚠ WARNING

Verify tightness of battery cables to their posts and condition of battery retaining straps/fasteners.

Fuel Tank and Oil Reservoir

With the watercraft horizontal, fill the fuel tank to specified level.

Check the oil level and refill reservoir as necessary.

Check fuel tank and oil reservoir retaining straps/fasteners.

Engine Compartment

⚠ WARNING

Should any leak or gasoline odor be present, do not start the engine. Refer to an authorized Sea-Doo dealer before use.

Steering System

Assisted by another person, check steering operation for free movement. When the handlebar is horizontal, the jet pump nozzle should be in the straight ahead position. Ensure the jet pump nozzle pivots easily when handlebar is turned.

Throttle System

Check throttle lever for free and smooth operation. It should return to its initial position immediately after it is released.

CAUTION: Engine can be flooded if throttle lever is applied several times when engine is not running. If engine is flooded, it will not start.

www.SeaDooManuals.net

Shifter System

Check reverse gate operation for free movement. With shift lever in forward position, the gate should be in upward position; locked on the GTX DI models and offering a resistance to go downward on the RX models. With the shift lever in neutral position, gate should be in middle position. With shift lever in reverse position, gate should be in downward position.

⚠ WARNING

Verify the reverse gate operation before starting the engine.

VTS (Variable Trim System) (if so equipped)

Push on arrows on VTS button to check nozzle movement.

NOTE: With the safety lanyard disconnected, electrical system can be activated for approximately 33 seconds by depressing the engine start/stop button.

Safety Lanyard and Engine Start/Stop Button

Position shift lever in neutral. Ensure that both switches operate properly. Start engine and stop it using each switch individually.

⚠ WARNING

If engine does not shut-off when pushing engine start/stop button or by disconnecting the safety lanyard, stop the engine by applying the choke and turning fuel tank valve (**if so equipped**) to OFF position. Do not operate the watercraft further, see an authorized Sea-Doo dealer.

Storage Compartment Covers

Ensure they are closed and latched.

www.SeaDooManuals.net

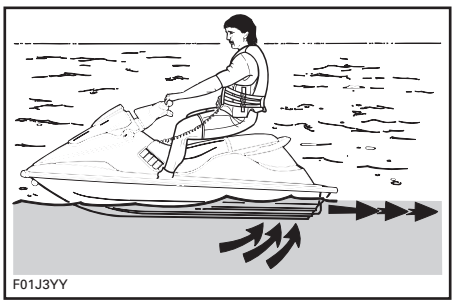
⚠ WARNING

Always perform the DAILY PRE-OPERATION CHECKS before operating the watercraft. Become thoroughly familiar with all controls and the function of each. Should any control or instruction not be fully understood, refer to an authorized Sea-Doo dealer.

Principle of Operation

Propulsion

The engine is directly coupled to a drive shaft which, in turn, rotates an impeller. This impeller is accurately adjusted in a housing where the water is drawn up from underneath the watercraft. Then the water flows through the impeller to a venturi. The venturi accelerates the water and produces thrust to move the watercraft. Depressing the throttle lever increases engine speed and therefore watercraft speed.



TYPICAL

⚠ WARNING

Whenever the engine is to be started, the operator and passenger should always be properly sitting on the watercraft and be wearing protective clothing including a Coast Guard approved PFD.

The shift lever should be in the forward position in order for the craft to advance.

Neutral and Reverse

RX Models

To find the neutral, set in reverse then push back until the watercraft stops moving backwards.

GTX DI Models

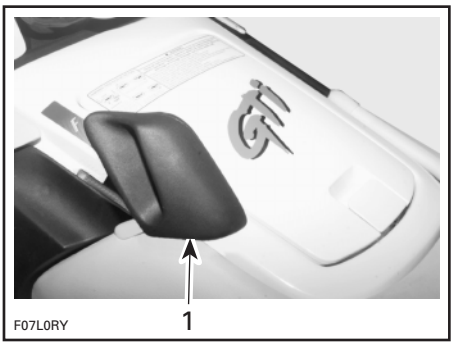
To obtain neutral, pull shift lever halfway.

All Models

The reverse gate will be in the middle position, directing half of the thrust toward the front of the craft to minimize watercraft movement.

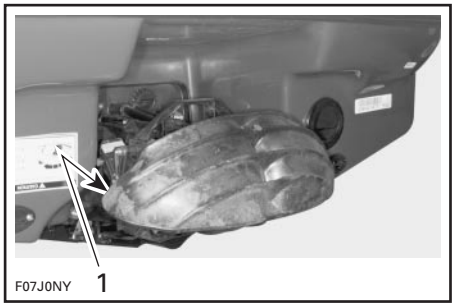
⚠ WARNING

When the watercraft is in neutral position, the drive shaft and impeller are turning. Stay away from water intake and jet pump outlet.



1. Shift lever in neutral position

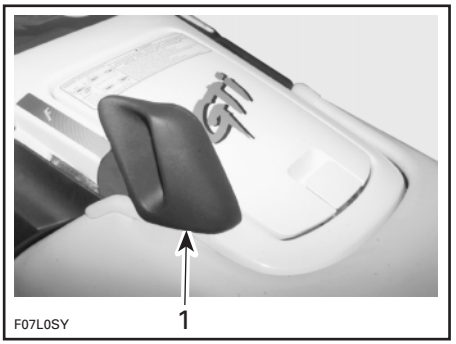
www.SeaDooManuals.net



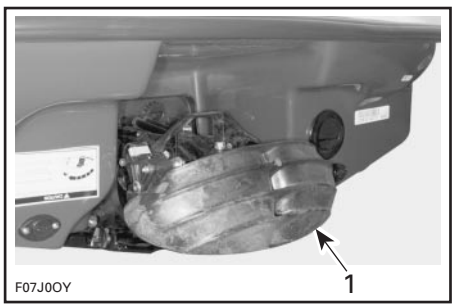
TYPICAL

1. Reverse gate in middle position

To obtain reverse, pull shift lever completely. The reverse gate will be in downward position, directing all the thrust toward the front of the watercraft.



1. Shift lever in reverse position



TYPICAL

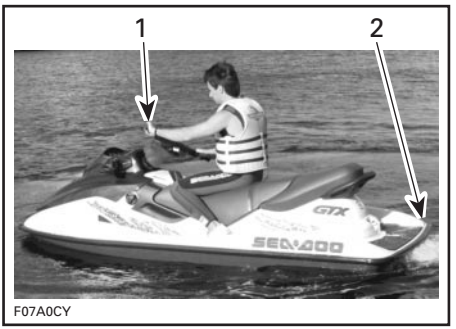
1. Reverse gate in downward position

NOTE: To obtain maximum efficiency and control from the reverse, increase engine speed to slightly above idle. Too much RPM will create water turbulence and reduce reverse efficiency.

GTX DI Models

In reverse position, turn the handlebar in the opposite direction that you want to move the rear of the watercraft.

For example, to steer the rear of the watercraft to the left side, turn the handlebar to the right side.



1. Handlebar turned to the right side
2. Rear of watercraft moving to the left side

RX Models

In reverse position, turn the handlebar in the same direction that you want to move the rear of the watercraft.

For example, to steer the rear of the watercraft to the left side, turn the handlebar to the left side.

All Models

⚠ WARNING

Shift lever should only be used when the engine is idling. Do not use reverse to stop the watercraft.

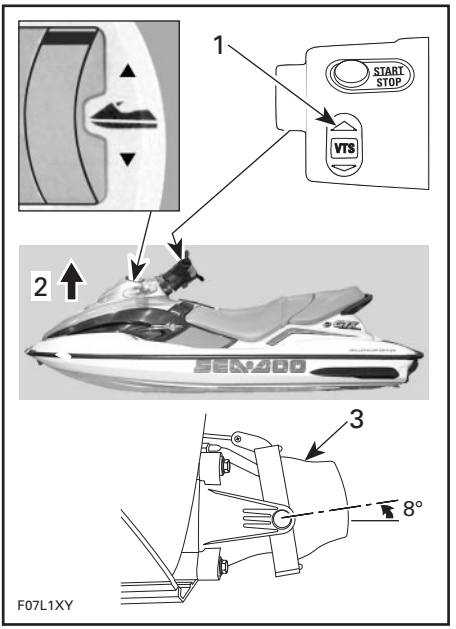
www.SeaDooManuals.net

Variable Trim System (if so equipped)

The variable trim system (VTS) changes the angle of the jet pump nozzle to provide the operator with a fast, effective system to compensate for load, thrust, riding position and water conditions. Correctly adjusted, it can improve handling, reduce porpoising, and position the watercraft at its best riding angle to attain maximum performance.

When first using the watercraft, the operator should become familiar with the use of the variable trim system (VTS) at varying speeds and water conditions. A mid-range trim is generally used when cruising. Experience alone will dictate the best trim for the conditions. During the watercraft break-in period, when lower speeds are recommended, it is an excellent opportunity to gain familiarity of trim adjustment and its effects.

When the nozzle is positioned in an upward angle, the water thrust directs the bow of the watercraft upward. This position is used to optimize high speed.



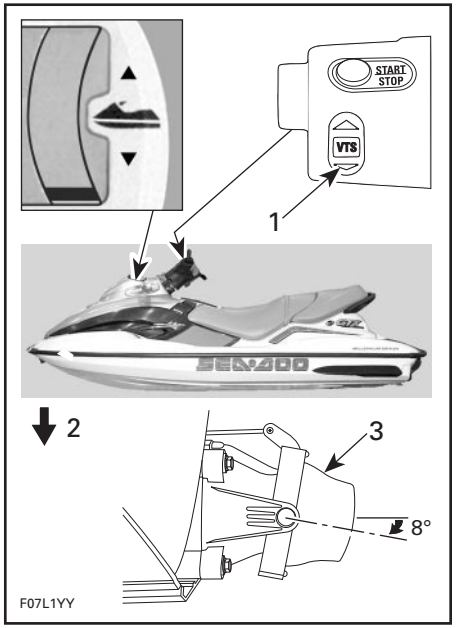
TYPICAL

1. *Push on arrow pointing upward on VTS button*
2. *Bow up*
3. *Nozzle up*

NOTE: VTS position is indicated on a bar gauge in the information center.

When the nozzle is directed downward, the bow is forced downward and enhances the watercraft turning capabilities. As with any watercraft, speed and operator body position and movement (body English), will determine the degree and sharpness of the watercraft turn. Porpoising can be reduced or eliminated if the nozzle is downward and speed is adjusted proportionately.

www.SeaDooManuals.net



TYPICAL

1. *Push on arrow pointing downward on VTS button*
2. *Bow down*
3. *Nozzle down*

Steering

Turning the handlebar pivots the jet pump nozzle which controls the watercraft direction. Turning the handlebar to the right will turn the watercraft to the right and inversely. The throttle should be applied to turn the watercraft.

⚠ WARNING

Throttle should be applied and handlebar turned to change the direction of the watercraft. Steering efficiency will differ depending on the number of passengers, load, water conditions and environmental factors such as the wind.

Unlike a car, a watercraft needs some throttle to turn. Practice in a safe area applying the throttle and turning away from an imaginary object. This is a good collision avoidance technique.

⚠ WARNING

Directional control is reduced when the throttle is released and lost when engine is off.

The watercraft behaves differently with a passenger and requires greater skill. The passenger should always grip the seat strap or grab handle. Reduce speed and avoid sharp turns. Avoid choppy water conditions when carrying a passenger.

Boarding the Watercraft

General

As with any watercraft, boarding should be done carefully and engine should not be running.

On some models, boarding is facilitated by using a step.

⚠ WARNING

Inexperienced riders should practice how to get aboard (all methods explained here) close to shore first before venturing into deep water.

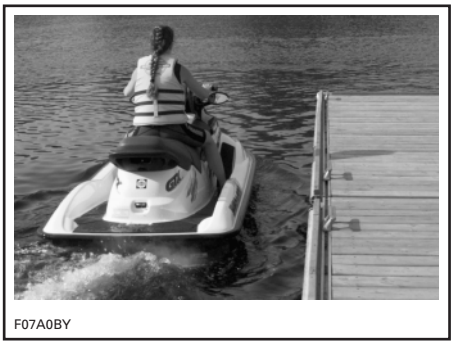
CAUTION: Never use jet pump components as a supporting point to board the watercraft.

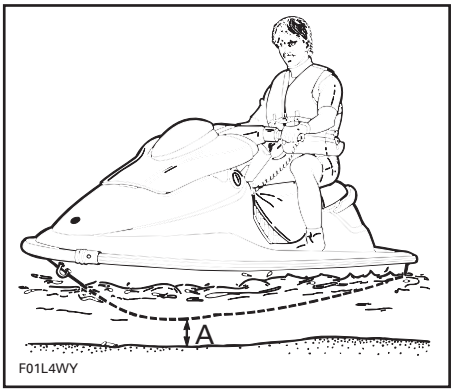
www.SeaDooManuals.net

CAUTION: The engine should be started only after boarding, when there is at least 90 cm (3 ft) of water below the hull. Do not start engine until the passenger(s) are properly seated. Do not accelerate fast.

Boarding from a Dock or in Shallow Water

When boarding from a dock, slowly place one foot on the watercraft footboard nearest the dock and, at the same time, transfer the body weight to the other side in order to balance the watercraft while holding the handlebar. Then, bring the other foot over the seat and put it on the other footboard. Push the watercraft away from the dock.


F07A0BY



F01L4WY

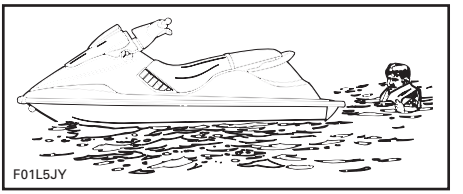
A. 90 cm (3 ft)

In shallow water, board the watercraft either from the side or the rear.

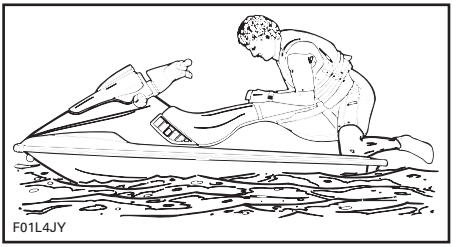
Boarding in Deep Water

Operator Alone

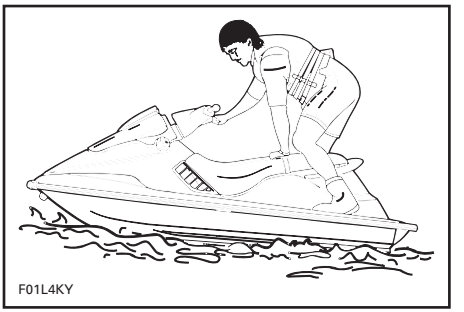
Swim to the rear of the watercraft.


F01L5JY

Grip the grab handle and pull yourself upward until your knee can reach the boarding platform then grip the seat strap.


F01L4JY

Bring your feet on the footboard while maintaining balance using the handlebar (RX/DI models).


F01L4KY

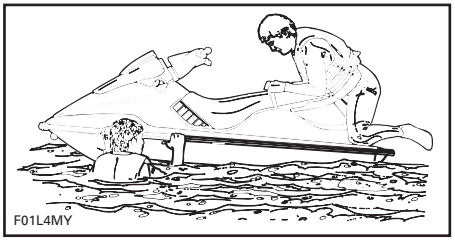
Sit astride the seat.

Operator with a Passenger

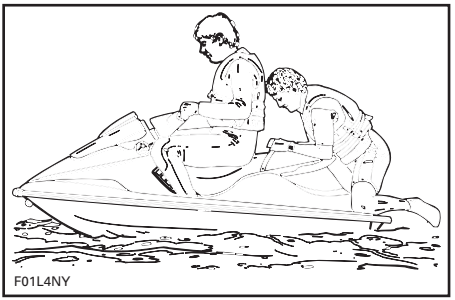
The operator climbs on the watercraft the same way as explained previously.

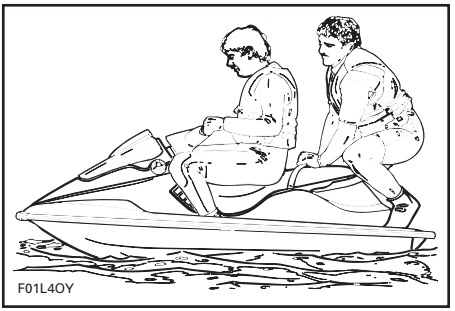
In choppy water, the passenger, while in the water, may hold the watercraft to help the operator in climbing aboard.

www.SeaDooManuals.net



The passenger then climbs on the watercraft while the operator maintains balance by sitting as close as possible to the console.





Starting the Engine

Preparation

Before unloading the watercraft from the trailer, it can be started for about 10 seconds to verify proper operation.

⚠ WARNING

Components inside engine compartment may be hot. Do not touch electrical parts or jet pump area when engine is running.

Attach the safety lanyard to your PFD and snap the cap to its switch before starting the engine.

NOTE: If you hear more than 2 short beeps from DESS system, it indicates a particular condition that should be corrected. Refer to the TROUBLE-SHOOTING section for the meaning of the coded signal.

⚠ WARNING

Before starting, the operator and passengers should always be properly seated and be wearing protective clothing including a Coast Guard approved PFD.

Position shift lever to neutral.

Turn the fuel tank valve (**if so equipped**) to ON position.

Firmly grip handlebar with your left hand and place both feet on the footboard.

To start engine, depress and hold the engine start/stop button. Follow procedure below for cold or warm engine starting.

If engine fails to start after 10 seconds, wait a few seconds then repeat procedure.

CAUTION: To avoid starter motor overheating, the cranking period should not exceed 5-10 seconds and a rest period should be observed between cranking cycles to let the starter cool down and its mechanism disengage.

Release engine start/stop button immediately after engine is started.

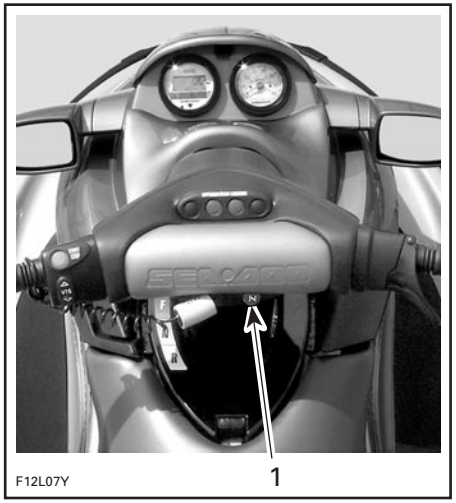
Carburetor-Equipped Models

Cold Engine

The choke is provided to supply a richer fuel/air mixture when starting a cold engine.

Fully pull the choke lever and hold while starting the engine.

www.SeaDooManuals.net



TYPICAL
1. Fully pulled

After engine is started, release choke lever.

It may be necessary to reapply the choke lever and if necessary, slightly apply throttle to keep engine running.

Warm Engine

The choke does not need to be applied and throttle lever has to be slightly depressed.

All Models

Cold and Warm Engine

Do not depress the throttle lever to start either a cold or warm engine.

Riding

Slowly accelerate to reach deeper water. Do not apply full throttle until the engine is warm.

CAUTION: Avoid watercraft operation in weeded areas. If unavoidable, vary watercraft speed.

Rough Water or Poor Visibility Operation

Avoid operation in these conditions. If you should do so, proceed with caution and prudence using minimum speed.

Crossing Waves

Reduce speed.

Always be prepared to steer and balance as necessary.

When crossing wakes, always keep a safe distance from craft ahead.

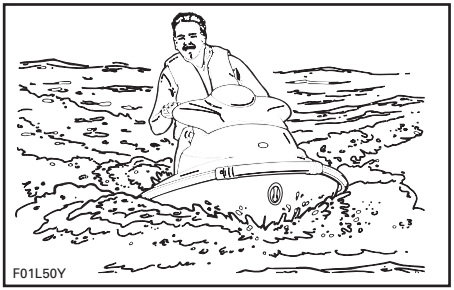
⚠ WARNING

When crossing wakes, slow down. Operator and passenger(s) can brace themselves by posting. Do not jump waves or wakes.

www.SeaDooManuals.net

Stopping/Docking

The watercraft is slowed by water drag. The stopping distance will vary depending on the craft size, weight, speed, water surface condition, presence and direction of wind and current.



The operator should become familiarized with the stopping distance under different conditions.

Release the throttle at a sufficient distance before the expected landing area.

Reduce speed to idle.

Shift to neutral, reverse or forward, as required.

⚠ WARNING

Directional control is reduced when throttle is released and lost when engine is off.

Beaching

CAUTION: It is not recommended to run the watercraft to the beach.

Come slowly to the beach and shut off the using the safety lanyard when water depth is 90 cm (3 ft) under the hull, then pull the watercraft to the beach.

Shutting Off the Engine

To keep watercraft directional control, the engine should be running until the watercraft is at idle.

To shut off the engine, completely release throttle lever and press the engine start/stop button. Remove safety lanyard from watercraft.

⚠ WARNING

Should the engine be shut off, watercraft directional control is lost. Never leave the safety lanyard on an unattended watercraft in order to avoid unauthorized use or theft.

www.SeaDooManuals.net

POST-OPERATION CARE

⚠ WARNING

Allow engine to cool before performing any maintenance.

General Care

Remove the watercraft from the water every day to prevent marine organisms growth.

Should any water be present in the hull, unscrew the drain plugs and tilt the watercraft to the rear in order to allow water to flow out.

Wipe up any remaining fluid in the engine compartment (bilge, engine, battery, etc.) with clean dry rags (this is particularly important in salt water use).

Additional Care for Foul Water or Salt Water

When the watercraft is operated in foul water and particularly in salt water, additional care should be taken to protect the watercraft and its components. Rinse trailer and watercraft's bilge area with fresh water.

CAUTION: Failure to perform proper care such as: watercraft rinsing, cooling system flushing and anticorrosion treatment, when watercraft is used in salt water, will result in damage to the watercraft and its components. Never leave the watercraft stored in direct sunlight.

Cooling System Flushing and Engine Internal Lubrication

General

Flushing the cooling system **with fresh water** is essential to neutralize corroding effects of salt or other chemical products present in water. It will help to remove sand, salt, shells or other particles in water jackets (engine, exhaust manifold, tuned pipe) and/or hoses.

Engine lubrication and flushing should be performed when the watercraft is not expected to be used further the same day or when the watercraft is stored for any extended time.

⚠ WARNING

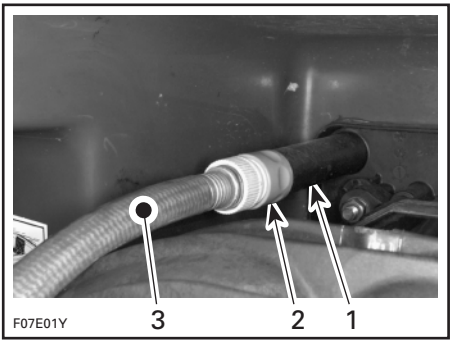
Perform this operation in a well ventilated area.

Proceed as follows:

Clean jet pump by spraying water in its inlet and outlet and then apply a coating of BOMBARDIER LUBE lubricant or equivalent.

Connect a garden hose to connector located at the rear of watercraft on jet pump support.

NOTE: A quick connect adapter can be used (P/N 295 500 473). No hose pincher is required to flush engine.



TYPICAL

1. *Hose adapter*
2. *Quick connect adapter (not mandatory)*
3. *Garden hose*

NOTE: The quick connect adapter may be supplied with **some models**. It has to be removed if you do not use a quick connect adapter on your garden hose.

www.SeaDooManuals.net

Flushing

To flush cooling system, start the engine **then** immediately open the water tap.

⚠ WARNING

Components inside engine compartment may be hot. Do not touch any electrical parts or jet pump area when engine is running.

CAUTION: Never flush a hot engine. Always start the engine before opening the water tap. Open water tap immediately after engine is started to prevent overheating.

Ensure water flows out of drain lines (engine crankcase, engine cylinder and air compressor (**DI models**) while flushing. Otherwise, clean the lines.

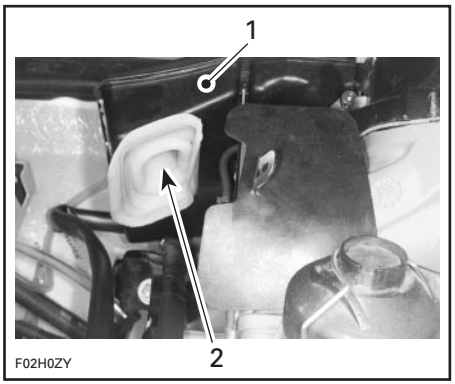
Run the engine about 3 minutes at a fast idle around 3500 RPM.

CAUTION: Never run engine longer than 5 minutes. Drive line seal has no cooling when watercraft is out of water.

Lubrication

Carburetor-Equipped Models

Spray BOMBARDIER LUBE lubricant or equivalent, through hole of air intake silencer keeping engine at fast idle during one minute.

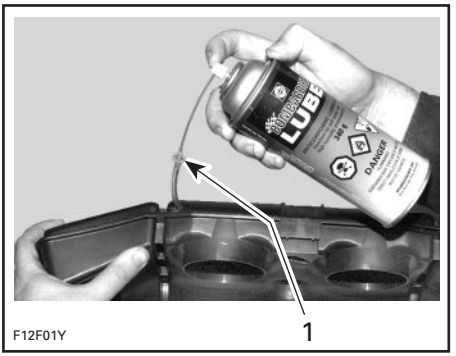


1. *Air intake silencer*
2. *Spray BOMBARDIER LUBE here*

DI Models

Spray BOMBARDIER LUBE lubricant or equivalent, through hole of air intake silencer during one minute.

NOTE: An increase of engine RPM may be noticed while spraying the lubricant in the air intake silencer.



1. *Partially pull tube out of air box to inject BOMBARDIER LUBE lubricant or equivalent. Push tube in when finished*

Carburetor-Equipped Models

After approximately half a minute, close fuel tank valve (if so equipped) to run engine out of fuel while lubricating.

CAUTION: When engine begins to run irregularly because of fuel starvation, immediately stop water flow before engine dies.

Close the water tap then stop the engine.

CAUTION: Always close the water tap before stopping the engine.

All Models

Final Steps

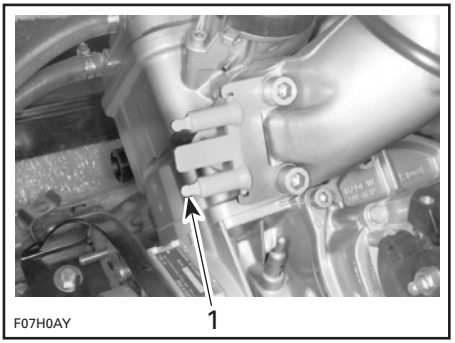
Disconnect the garden hose.

Remove spark plug cables and connect them on the grounding device.

⚠ WARNING

Always use spark plug cable grounding device when removing spark plugs.

www.SeaDooManuals.net



1. Grounding device

Remove both spark plugs and spray BOMBARDIER LUBE lubricant or equivalent into each cylinder.

Carburetor-Equipped Models

Crank the engine a few turns to distribute the oil on cylinder wall.

DI Models

To prevent fuel to be injected in the engine and engine starting, proceed as follows.

Depress the throttle lever at full throttle position and HOLD for cranking.

Crank the engine a few turns to distribute the oil on cylinder wall.

All Models

Apply anti-seize lubricant on spark plug threads then reinstall them.

Reinstall plug on air intake silencer cover.

Properly reconnect spark plug cables to spark plugs.

⚠ WARNING

Always reconnect spark plug cables at the same spark plugs where they come from. The cable coming out the edge of the electrical box must be connected to the MAG side spark plug.

Wipe up any residual water from the engine.

Anticorrosion Treatment

To prevent corrosion, spray a corrosion inhibitor (salt water resistant) such as BOMBARDIER LUBE lubricant or equivalent over metallic components in engine compartment.

Apply dielectric grease (salt water resistant) on battery posts and cable connectors.

CAUTION: Never leave rags or tools in the engine compartment or in the bilge.

www.SeaDooManuals.net

SPECIAL PROCEDURES

Limp Home Mode

DI Models

Monitoring System

To assist you when using the watercraft, a system monitors the electronic components of the fuel injection system and some components of the electrical system. When a fault occurs, it sends visual messages through the information center and/or audible signals through a beeper to inform you of a particular condition. Refer to the INFORMATION CENTER for the displayed messages and the TROUBLESHOOTING section for the beeper coded signals chart.

Limp Home Modes

Besides the signals as seen above, the system may automatically set default parameters to the MPEM to ensure the adequate operation of the watercraft if a component of the fuel injection system is not operating properly.

Depending on the severity of the malfunction, the watercraft speed may be reduced and not allowed to reach its top speed as usual. In this case, letting the engine returning at idle speed may allow normal operation.

The engine RPM may be limited to idle if some critical components fail. In this case, removing and reinstalling the safety lanyard on its switch may allow normal operation.

These performance-reduced modes allow the rider to go back home which would not be possible without this advanced system. If this occurs, see an authorized Sea-Doo dealer as soon as possible for inspection.

Engine Overheating

All Models

If the monitoring beeper continuously sounds, **stop engine immediately**.

Perform **Jet Pump Water Intake and Impeller Cleaning** procedure described in this section.

Flush cooling system, refer to POST-OPERATION CARE.

If engine still overheats, refer to an authorized Sea-Doo dealer for servicing.

Jet Pump Water Intake and Impeller Cleaning

Weeds, shells or debris can get caught on the intake grate, drive shaft and/or impeller. A clogged water intake may cause troubles such as:

1. **Cavitation:** Engine speed is high but watercraft moves slowly due to reduced jet thrust, jet pump components may be damaged.
2. **Overheating:** Since the jet pump operation controls the flow of water to cool the engine, a clogged intake will cause the engine to overheat and damage engine internal components.

A weed clogged area can be cleaned as follows:

⚠ WARNING

Always remove safety lanyard cap from its switch to prevent accidental engine starting before cleaning the jet pump area.

www.SeaDooManuals.net

In-Water Cleaning

Rock the watercraft several times while repeatedly pressing engine start/stop button for short period without starting engine. Most of the time, this will remove the blockage. Start engine and make sure water flows out from bleed outlet and watercraft operates properly.

If system is still blocked, move the craft out of the water and remove blockage manually.

If the aforementioned method does not work, the following can be performed:

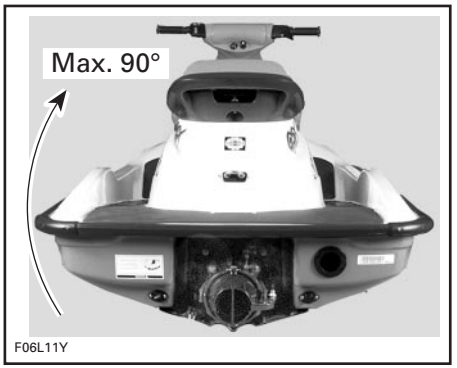
– With engine running and before applying throttle, put shift lever in reverse position and vary throttle quickly several times.
– Repeat procedure if necessary.

On-Beach Water Cleaning

Place a cardboard or a carpet beside the watercraft to prevent scratching when turning the watercraft for cleaning.

Rotating watercraft in the proper direction eliminates the possibility of residual water in the tuned pipe entering the engine and causing engine damage.

Rotate the watercraft **clockwise** (seen from rear) to its **right** side for cleaning.



Clean the water intake area. If the system is still clogged, refer to an authorized Sea-Doo dealer for servicing.

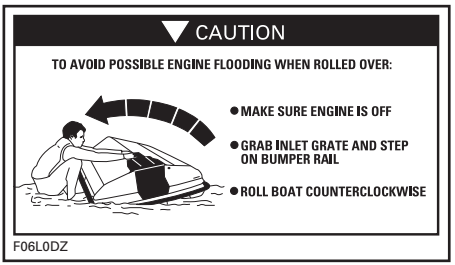
CAUTION: Inspect water intake grate for damage. Refer to an authorized Sea-Doo dealer for repair as necessary.

Capsized Watercraft

The watercraft is designed so that it should not turn over easily. Also two sponsons mounted on the side of the hull assist watercraft stability. If it turns over, it will remain capsized.

CAUTION: Always refer to decal located on stern of watercraft.

To return the watercraft upright, ensure the engine is off, grab the inlet grate, step on bumper rail and use your weight to rotate the watercraft **counterclockwise** (seen from rear).



Submerged Watercraft

If the watercraft is submerged and engine is water-flooded, it is strongly recommended that the watercraft be serviced by an authorized Sea-Doo dealer.

Water-Flooded Engine

In the event the engine cannot be serviced within a few hours, remove spark plug cables and connect them on the grounding device.

⚠ WARNING

Never crank engine with spark plugs removed unless spark plug cables are connected to the grounding device.

Remove spark plugs and dry them with a clean and dry cloth.

Cover spark plug holes with a rag.

www.SeaDooManuals.net

Carburetor-Equipped Models

Ensure choke lever is completely pushed in.

DI Models

To prevent fuel to be injected in the engine and engine starting, proceed as follows.

Depress the throttle lever at full throttle position and HOLD for cranking.

All Models

Crank engine several times to allow water to escape from spark plug openings.

DI Models

If water does not completely go out, it may be necessary to remove the air intake silencer then to lean the vehicle so that water can flow out from throttle bodies.

All Models

Spray BOMBARDIER LUBE lubricant or equivalent into spark plug holes.

Crank engine again.

Reinstall spark plugs. Install clean dry spark plugs if possible. Reconnect cables.

⚠ WARNING

Always reconnect spark plug cables at the same spark plugs where they come from. The cable coming out the edge of the electrical box must be connected to the MAG side spark plug.

Start engine normally.

Fuel-Flooded Engine

When the engine does not start after several attempts, the engine may be fuel-flooded. Proceed as follows.

Carburetor-Equipped Models

Install the safety lanyard cap on its switch.

Ensure choke lever is completely pushed in.

Depress the throttle lever at full throttle position and hold while starting the engine. Try several times.

DI Models

To prevent fuel to be injected in the engine, proceed as follows.

Depress the throttle lever at full throttle position and HOLD for cranking.

Crank engine several times.

Carburetor-Equipped Models

As soon as the engine starts, release throttle lever. Do not race engine.

All Models

If it does not work:

Remove spark plug cables and connect them on the grounding device.

⚠ WARNING

Always use spark plug cable grounding device when removing spark plugs.

Remove spark plugs and dry them using a rag.

Cover spark plug holes with a rag.

Crank engine several times.

Reinstall spark plugs. Install clean dry spark plugs if possible. Reconnect cables.

⚠ WARNING

Always reconnect spark plug cables at the same spark plugs where they come from. The cable coming out the edge of the electrical box must be connected to the MAG side spark plug.

Start engine as explained above. If engine continues to flood, see an authorized Sea-Doo dealer.

www.SeaDooManuals.net

Out of Fuel

DI Models

When running the engine out of fuel, it may be necessary to remove and install the safety lanyard 2-3 times to initially feed the fuel system after fuel tank refill.

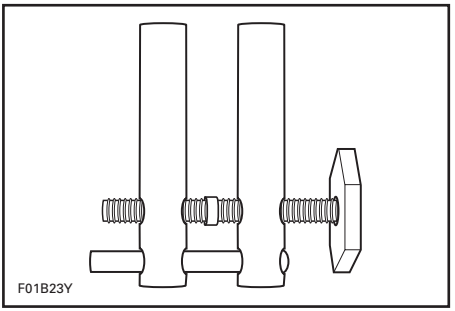
Towing the Watercraft in Water

All Models

Special precautions should be taken when towing a Sea-Doo watercraft in water.

Maximum recommended towing speed is 24 km/h (15 MPH).

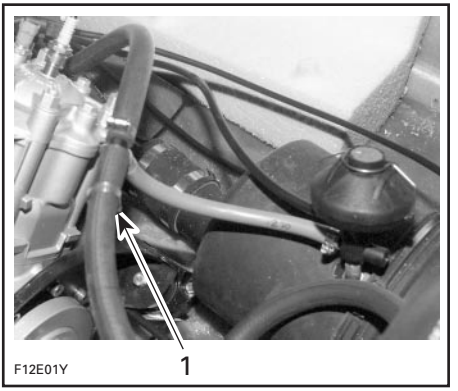
When towing your watercraft in water, pinch the water supply hose from the impeller housing to the engine with a large hose pincher (P/N 529 032 500).



This will prevent the cooling system from filling which may lead to water being injected into and filling the exhaust system. Without the engine running there isn't any exhaust pressure to carry the water out the exhaust outlet.

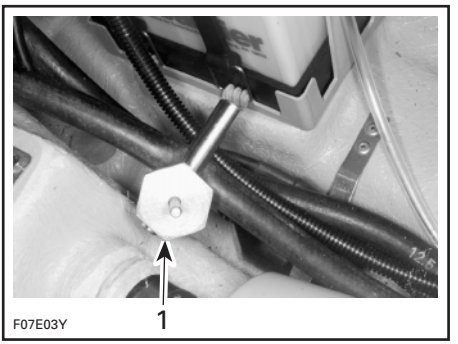
CAUTION: Failure to do this may result in damage to the engine. If you must tow a stranded watercraft in water and do not have a hose pincher, be sure to stay well below the maximum towing speed of 24 km/h (15 MPH).

Snugly install the hose pincher on the water supply hose as shown.



CARBURETOR-EQUIPPED MODELS

1. *Hose pincher on water supply hose on this side of the T-fitting*



DI MODELS

1. *Hose pincher on water supply hose*

CAUTION: When finished towing the watercraft, hose pincher should be removed before operating it. Failure to do so will result in damage to the engine.

Low-charge Battery Condition

See an authorized Sea-Doo dealer to have it charged or replaced.

⚠ WARNING

Do not charge or boost the battery while installed on the watercraft.

www.SeaDooManuals.net

MAINTENANCE

Maintenance, replacement, or repair of the emission control devices and systems may be performed by any marine SI (spark ignition) engine repair establishments or individual.

⚠ WARNING

Only perform procedures as detailed in this guide. It is recommended that the assistance of an authorized Sea-Doo dealer be periodically obtained on other components/systems not covered in this guide. Unless otherwise specified, engine must not be running and the safety lanyard must be removed from its switch for all maintenance procedures. Components inside engine compartment may be hot.

Lubrication

Use SEA-DOO synthetic grease or equivalent and lubricate PTO flywheel.

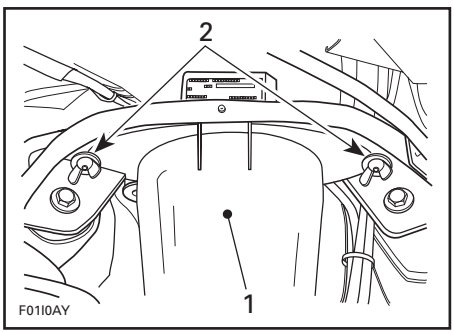
Proceed as follows:

Remove seat to expose engine compartment.

Remove vent tube support (**if so equipped**).

PTO Flywheel

Remove the fasteners and pull out PTO flywheel guard.

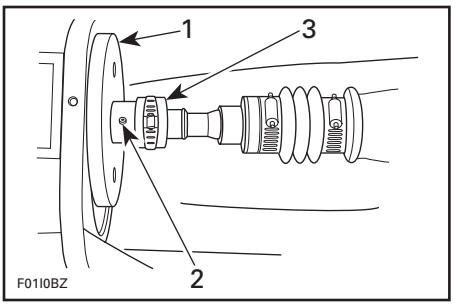


TYPICAL

1. *Flywheel guard*
2. *Fasteners*

Using a grease gun, carefully lubricate PTO flywheel at grease fitting until PTO flywheel boot **begins** to expand.

CAUTION: Immediately stop lubricating as soon as PTO flywheel boot begins to expand to prevent damage or slipping.



1. *PTO flywheel*
2. *Grease fitting*
3. *PTO flywheel boot*

Reinstall and secure PTO flywheel guard.

Anticorrosion Protection

Throttle/Choke Cables

Lubricate the throttle and choke cables (**if so equipped**) with BOMBARDIER LUBE lubricant or equivalent.

Electrical Connections

As necessary, apply anticorrosion product such as dielectric grease on battery posts and all exposed cable connectors.

CAUTION: Do not lubricate connectors of the Multi-Purpose Electronic Module.

Additional Lubrication

BOMBARDIER LUBE lubricant or equivalent will help prevent corrosion of metallic parts and maintain proper operation of moving mechanisms.

⚠ WARNING

Do not lubricate the safety lanyard post.

www.SeaDooManuals.net

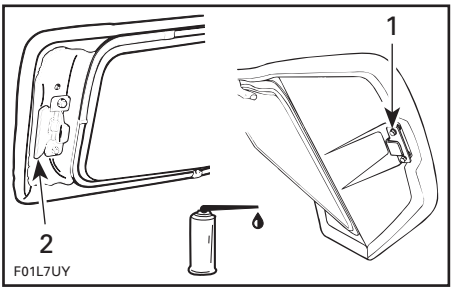
Carburetor-Equipped Models

Choke Lever

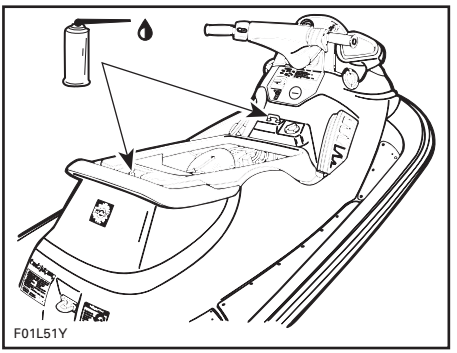
Fully pull choke lever and lubricate the metallic portion.

All Models

Seat Opening Mechanism, Tab, Hook and Lock Pin



1. *Front tab*
2. *Rear mechanism*

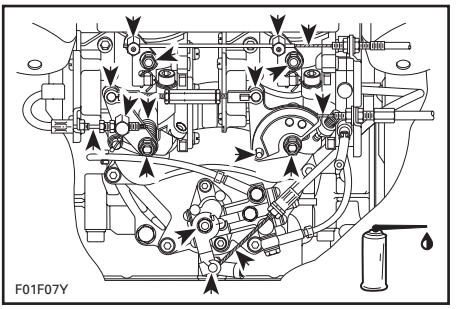


TYPICAL

Carburetor/Throttle Body and Oil Injection Pump

Lubricate springs, shafts and exposed portion of cables.

NOTE: Grease carburetor linkage with synthetic grease.



TYPICAL

Reverse Gate

Lubricate pivoting points and mechanism.

Periodic Inspection

Routine maintenance is necessary for all mechanized products. A periodic inspection contributes to the product's life span.

The following maintenance chart gives guidelines for regular watercraft servicing scheduled to be performed by you and/or by an authorized Sea-Doo dealer. The schedule should be adjusted according to operating conditions and use.

IMPORTANT: Schedule for watercraft rental operations or higher number of hour use, will require greater frequency of inspection and maintenance.

www.SeaDooManuals.net

Periodic Inspection Chart

	DESCRIPTION	FREQUENCY				
		FIRST 10 HOURS	EVERY 25 HOURS OR 3 MONTHS	EVERY 50 HOURS OR 6 MONTHS	EVERY 100 HOURS OR 1 YEAR	TO BE PERFORMED BY
GENERAL	Lubrication/corrosion protection	①		✔		O
ENGINE	Support and rubber mount condition/tightness	✔		✔		D
	Exhaust system fasteners ⑤	✔		✔		D
	RAVE valve cleaning ⑤			✔	✔	D
	Counterbalance shaft oil level			✔	✔	D
	Spark plug inspection, cleaning and gap adjustment ⑤	④ ✔				D
	Spark plug replacement ⑤			✔		D
	Ignition timing ⑤ (for **DI models**)	④ ✔			✔	D
	Air compressor, visual condition of hoses. Check for leaks ⑤ **CAUTION: Main hose between compressor and fuel rail may be hot.**			✔		D
COOLING SYSTEM	Flushing		✔③			O
	Hose condition and fasteners	✔		✔		D
	Inspect/clean engine drain tubes		✔①			O
	Water flow regulator valve inspection				✔	D
FUEL SYSTEM	Carburetor adjustment including choke/throttle cable adjustments (**carburetor-equipped models**)				✔	D
	Throttle/choke cables (**carburetor-equipped models**), inspection/lubrication	①	✔			O
	Fuel filter (**carburetor-equipped models**) and lines inspection	✔	✔			D
	Fuel filter replacement				✔	D
	Direct injectors, check for leakage (**DI models**) ⑤	✔		✔		D
	Fuel injection system sensors (except throttle body), visual inspection (**DI models**) ⑤	✔			✔	D
	Throttle body cleaning and their sensors (**DI models**) ⑤ ⑥	✔		✔		
	Fuel vent line pressure relief valve inspection		✔			D
	Fuel lines, connections (**DI models**), check-valve and **fuel system pressurization** ⑤	✔	✔			D
	Visual inspection: carburetors/throttle bodies, sensors, fuel lines, fuel rail and fittings (**if so equipped**) ⑤	✔		✔		D
	Air intake silencer fit/tightness	✔			✔	D
	Fuel tank straps visual inspection	✔			✔	O
LUBRICATION SYSTEM	Oil injection pump adjustment ⑤	✔			✔	D
	Oil filter and lines inspection	✔	✔			D
	Oil filter replacement				✔	D
	Oil reservoir straps	✔				O

www.SeaDooManuals.net

DESCRIPTION		FREQUENCY				
		FIRST 10 HOURS	EVERY 25 HOURS OR 3 MONTHS	EVERY 50 HOURS OR 6 MONTHS	EVERY 100 HOURS OR 1 YEAR	TO BE PERFORMED BY
ELECTRICAL SYSTEM	Electrical connections condition and fastening (ignition system, electrical box(es), starting system, fuel injectors (**DI models**), etc.)	✔		✔		D
	MPEM mounting brackets/fasteners			✔		D
	Digitally Encoded Security System	✔			✔	D
	Monitoring beeper	✔		✔		D
	Battery condition and straps	✔		✔		D
STEERING SYSTEM	Inspection and cable adjustment	✔		✔		D
PROPULSION SYSTEM	Drive shaft boot and spline condition (**if so equipped**)			✔ ②		D
	PTO flywheel lubrication	✔	✔			O
	Shifter system/cable adjustment	✔			✔	D
	VTS (Variable Trim System, **if so equipped**)	✔		✔		D
	Jet pump reservoir oil level/oil condition	Replace	✔		Replace	D
	Jet pump cover pusher inspection				✔	D
	Impeller condition and impeller/wear ring clearance			✔ ②		D
	Water intake grate condition			✔ ②		O
HULL AND BODY	Bailer pick-ups, check for obstructions	✔			✔	O
	Hull condition	✔			✔	O

NOTE: Some items are included in the PRE-OPERATION CHECKS and not necessarily repeated in this chart.

D: Dealer

O: Operator

① Every 10 hours in salt water use.

② These items have to be initially checked after 25 hours. Thereafter, servicing to be made as specified in this chart.

③ Daily flushing in salt water or foul water use.

④ Except DI models.

⑤ Emission-related component.

⑥ In salt water use.

www.SeaDooManuals.net

Throttle and Choke Cable Inspection

Throttle Cable

Depress and release the throttle lever. It should operate smoothly and return to its initial position without any hesitation. Refer to an authorized Sea-Doo dealer if necessary.

Carburetor-Equipped Models

Do not activate throttle lever unnecessarily, when engine is not running. Carburetors are equipped with fuel accelerator pumps. These pumps deliver fuel to the engine each time throttle lever is depressed.

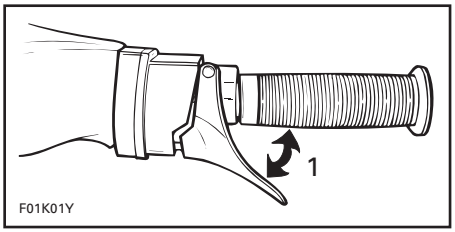
All Models

⚠ WARNING

Do not alter or tamper with throttle cable adjustment or routing.

⚠ WARNING

If throttle lever does not automatically return, do not operate watercraft and see your authorized Sea-Doo dealer.



1. Should move freely

Carburetor-Equipped Models

Choke Cable

Ensure choke cable operates smoothly and without any hesitation from fully opened to fully closed. When the choke lever is fully pulled, choke should be fully applied. Refer to an authorized Sea-Doo dealer if necessary.

Carburetor Adjustment

Carburetor adjustment is very important to allow good engine operation and therefore watercraft performance. Carburetor adjustment requires technical knowledge and experience to have the correct mixture supplied to the engine.

CAUTION: Serious engine damage can occur with improper carburetor adjustment.

Fuel Injection System

DI Models

The fuel injection system inspection should be performed by an authorized Sea-Doo dealer.

CAUTION: Never use injector cleaning products. They may contain additives that could damage injector components.

All Models

Fuel and Oil Filters

The fuel filter (carburetor-equipped models) and the oil filter should be replaced by an authorized Sea-Doo dealer. Fuel system pressurization should be conducted at the same time.

CAUTION: An obstructed oil filter will cause oil starvation resulting in serious engine damage.

Steering Alignment

When the handlebar is directed in straight ahead position, the jet pump nozzle should be in the same direction allowing the watercraft to run in a straight line.

Refer to an authorized Sea-Doo dealer if an adjustment is necessary.

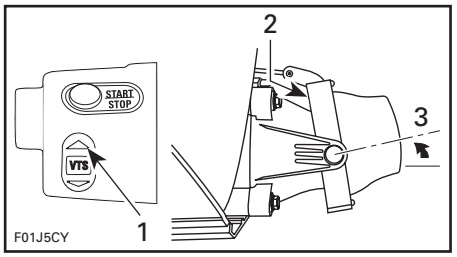
⚠ WARNING

Ensure the handlebar and jet pump nozzle operate freely from side to side and are not stressing the steering cable or brackets.

www.SeaDooManuals.net

VTS Adjustment (if so equipped)

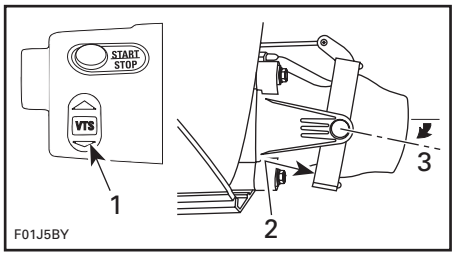
Push on arrow pointing upward on VTS button until the VTS stops. The nozzle should be up without interfering with the venturi.



TYPICAL

1. *Push on arrow pointing upward on VTS button*
2. *No interference*
3. *Nozzle up*

Push on arrow pointing downward on VTS button until VTS stops. The nozzle must be down and it must not interfere with the venturi.



1. *Push on arrow pointing downward on VTS button*
2. *No interference*
3. *Nozzle down*

If VTS needs to be readjusted, refer to an authorized Sea-Doo dealer.

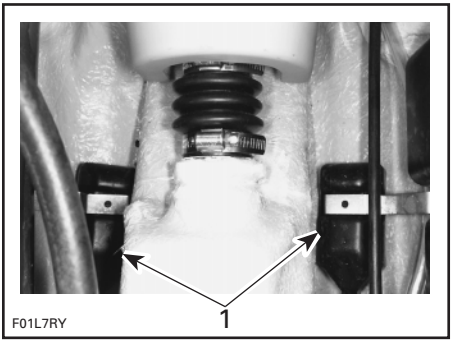
CAUTION: Trim ring and/or nozzle should not interfere at any position.

Vacuum Bailer Pick-Ups

They are located each side of the drive shaft tunnel.

Two pick-ups use a low pressure area in the jet pump to siphon the water out of the bilge when the engine is operating.

Inspect each pick-up screen for obstructions, clean as necessary.



TYPICAL

1. *Vacuum bailer pick-ups*

Fuses

If an electrical problem occurs, check the fuses. If a fuse is burnt, replace by one of the same rating. Follow procedures below.

CAUTION: Do not use a higher rated fuse as this can cause severe damage. If a fuse is regularly burnt, refer to an authorized Sea-Doo dealer.

Fuses can be found at 2 locations; on the MPEM and in the rear electrical box.

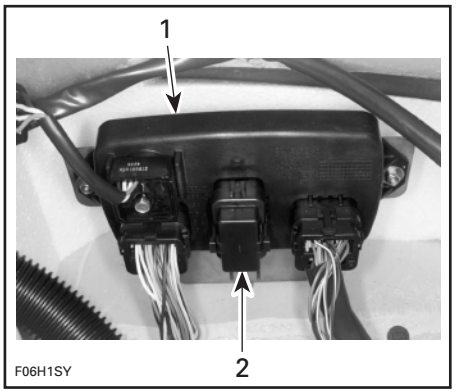
MPEM

To access fuses on the MPEM, open front storage compartment cover and remove storage basket.

Locate MPEM on the left side of watercraft.

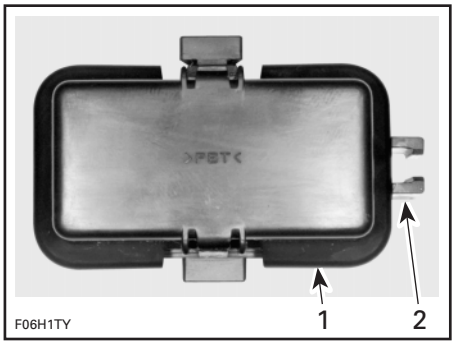
Remove fuse cover from the MPEM.

www.SeaDooManuals.net



TYPICAL
1. *MPEM*
2. *Fuse cover*

Use the tabs of the fuse cover to remove and reinstall fuses.



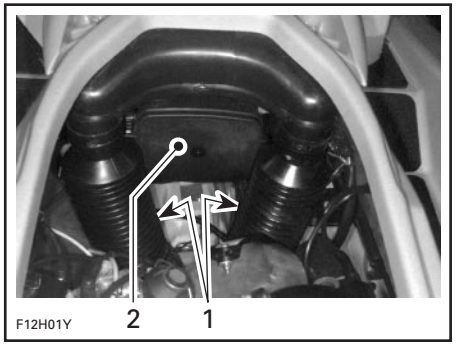
1. *Fuse cover*
2. *Fuse tabs*

Rear Electrical Box

Remove seat.

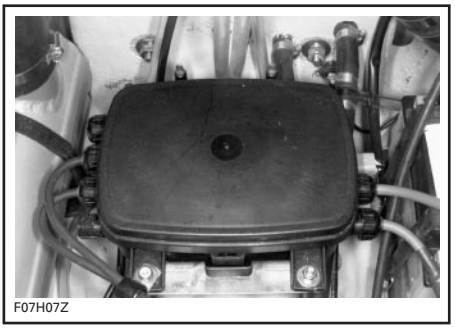
RX/DI Models

Remove darts retaining tubes then pull out both vent tubes each side of electrical box at rear of hull.



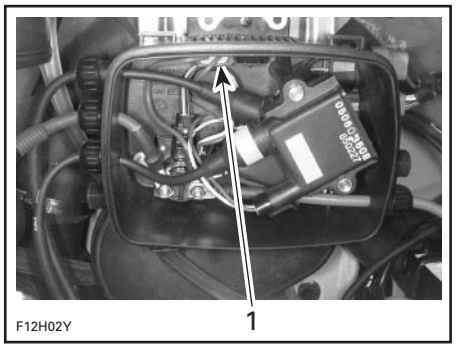
1. *Rear electrical box*
2. *Remove vent tubes*

GTX DI Models



All Models

Unclip and remove cover of the electrical box.



TYPICAL
1. *Fuse holder*

All Models

Properly reinstall removed components.

www.SeaDooManuals.net

General Inspection and Cleaning

Inspection

Check engine compartment for any damage and fuel/oil injection systems for leaks. Ensure all hose clamps are properly secured and no hose is cracked, kinked or presenting any other damage.

⚠ WARNING

If any gasoline leak and/or odor are present, do not start the engine. Have the watercraft serviced by an authorized Sea-Doo dealer.

Inspect muffler, battery, fuel tank and oil reservoir fastening devices. Visually check electrical connections for corrosion and tightness.

Inspect hull and jet pump water intake grate for damage. Replace or have damaged parts repaired.

Cleaning

The bilge should be cleaned by an authorized Sea-Doo dealer to remove any fuel/oil/electrolyte deposits and mildew.

Occasionally, wash the body with water and soap (only use mild detergent). Remove any marine organisms from engine and/or hull. Apply non-abrasive wax such as silicone wax.

CAUTION: Never clean fiberglass and plastic parts with strong detergent, degreasing agent, paint thinner, acetone, etc.

Stains may be removed from seat and fiberglass with Knight's Spray-Nine from Korkay System Ltd or the equivalent.

Respect the environment by ensuring fuel, oil or cleaning solutions do not drain into the waterways.

www.SeaDooManuals.net

TRAILERING, STORAGE AND PRE-SEASON PREPARATION

Trailering

⚠ WARNING

Always turn the fuel tank valve (if so equipped) to OFF position when trailering or docking the watercraft.

Check the applicable laws and regulations in your area concerning towing a trailer, especially the following rules:

– brake system
– tow vehicle weight
– mirrors

Take the following precautions when towing the watercraft:

Tie the watercraft to both bow and stern (front/rear) eyelets so that it is firmly retained on the trailer. Use additional tie-downs if necessary.

CAUTION: Do not route ropes or tie-downs over the seat as they could produce permanent damage. Wrap ropes or tie-downs with rags or similar protectors where they can touch the watercraft body.

Ensure all storage compartment covers and seat are properly latched.

A SEA-DOO cover can protect the watercraft, particularly before driving on dirt roads, to prevent dirt entry through the air intake opening(s).

Observe trailering safety precautions.

Launching/Loading

Before launching the watercraft, ensure the bilge plugs are fully screwed. After loading the watercraft, ensure they are removed to drain bilge.

Storage

It is recommended that the watercraft be serviced by an authorized Sea-Doo dealer for storage but the following operations can be performed by you with a minimum of tools.

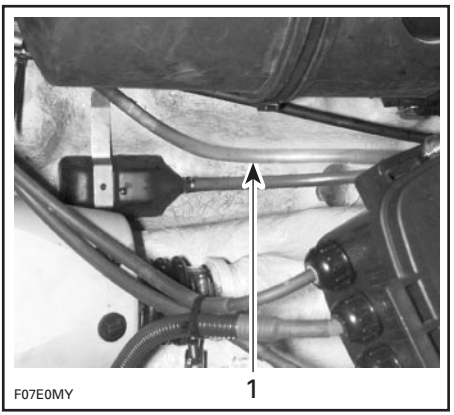
CAUTION: Do not run the engine during the storage period.

Engine Draining

Check engine drain hose (lowest hose of engine). Make sure there is no sand or other particles in it and that it is not obstructed so that water can exit the engine. Clean hose and fitting as necessary.

CAUTION: Water in engine drain hose should be free to flow out, otherwise water could be trapped in engine. Should water freeze in engine, severe damage will occur. Check engine drain hose for obstructions.

Carburetor-Equipped Models

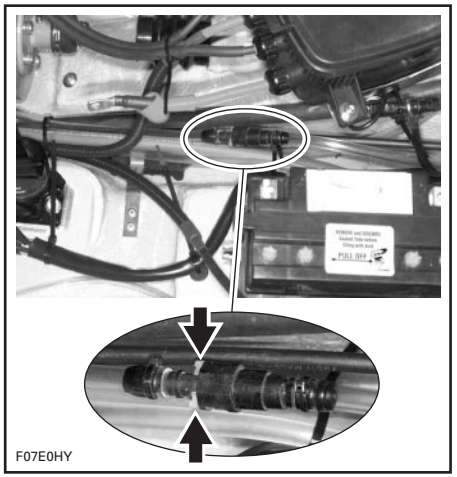


1. Engine drain hose

www.SeaDooManuals.net

DI Models

Disconnect the quick connect fitting. Press both tabs and pull fitting.



DISCONNECT THIS HOSE

Lower hose as necessary so that draining can take place.

Reconnect fitting when done.

Also ensure air compressor drain line is not obstructed. Clean as necessary.

All Models

Body Rinsing/Repair

Wash the body with soap and water solution (only use mild detergent). Rinse thoroughly with **fresh water**. Remove marine organisms from the hull.

CAUTION: Never clean fiberglass and plastic parts with strong detergent, degreasing agent, paint thinner, acetone, etc.

For small gelcoat repairs, a Bombardier repair kit is available. Refer to an authorized Sea-Doo dealer. Replace damaged labels/decals.

Propulsion System

Lubricant in jet pump reservoir should be drained and reservoir cleaned. Refer to an authorized Sea-Doo dealer for this operation.

Grease lubrication point(s) of propulsion system as explained in MAINTENANCE section.

Fuel System

SEA-DOO fuel stabilizer (or equivalent), can be added in fuel tank to prevent fuel deterioration and carburetor gumming. Follow manufacturer's instructions for proper use.

CAUTION: Fuel stabilizer should be added prior to engine lubrication to ensure carburetor protection against varnish deposits.

⚠ WARNING

Fuel is flammable and explosive under certain conditions. Always work in a well ventilated area. Always wipe off any fuel spillage from the watercraft. Always turn the fuel tank valve (if so equipped) to OFF position when storing the watercraft.

Cooling System Flushing and Engine Internal Lubrication

Refer to procedure in POST-OPERATION CARE.

Battery

Contact your authorized Sea-Doo dealer.

Antifreezing Protection

NOTE: This procedure requires approximately 2.5 L (2.6 US qt.) of antifreeze.

In cool regions where freezing point may be encountered, cooling system should be filled with an equal part of water and antifreeze solution.

www.SeaDooManuals.net

CAUTION: Antifreeze mix must be fed in cooling system. Otherwise remaining water will freeze. This operation requires a good technical knowledge of the cooling system path. If antifreezing is not performed adequately engine/exhaust system may freeze and cause severe engine damage. We strongly recommend this operation be performed by an authorized Sea-Doo dealer.

CAUTION: Always use ethylene glycol antifreeze containing corrosion inhibitors specifically recommended for aluminum engines.

NOTE: When available, it is recommended to use biodegradable antifreeze compatible with internal combustion aluminum engines. This will contribute to protect the environment

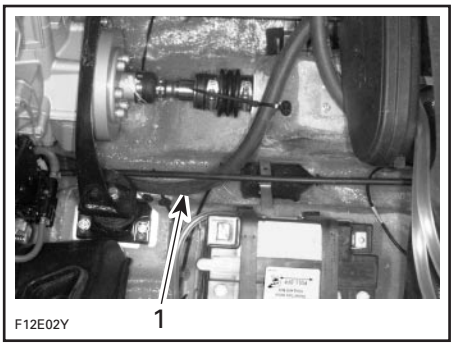
NOTE: The engine will not have to run during this operation but should have been ran before to exhaust water from cooling system components.

Hose Pinchers Installation

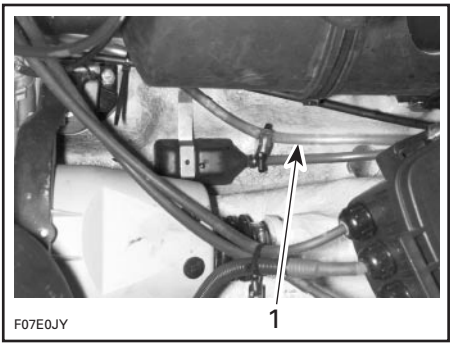
Some hoses have to be plugged to prevent draining, before filling cooling system jackets with the antifreeze.

Carburetor-Equipped Models

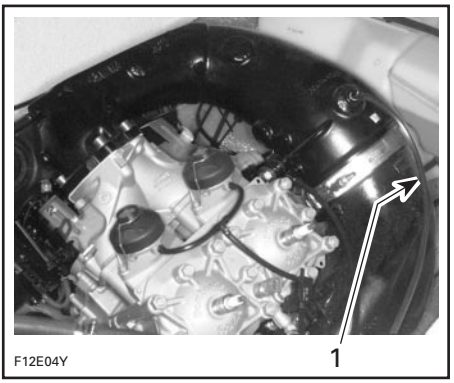
Install hose pinchers at the following location:



1. Water outlet hose

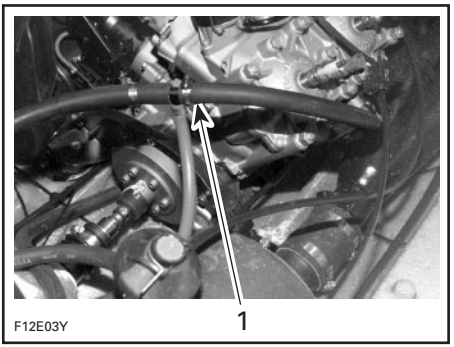


1. Engine cylinder drain hose



1. Tuned pipe bleed hose

Disconnect water INLET hose where shown.



1. Disconnect hose this side of T-fitting

www.SeaDooManuals.net

Antifreeze

Insert a funnel into hose and pour antifreeze mix in engine until the colored solution appears at cooling system bleed outlet (LH side of hull).

At this point, remove the hose pincher at tuned pipe bleed hose. If necessary, continue to pour antifreeze mix until the colored solution appears at the other cooling system bleed outlet (stern eyelet).

Remove the remaining hose pinchers in this order to allow proper flow of antifreeze.

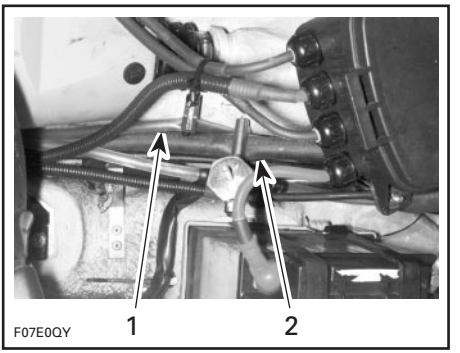
1. Engine cylinder drain hose.
2. Water outlet hose.

Pour approximately 200 mL (7 oz) of antifreeze in the water regulator valve supply hose to allow antifreeze flowing through the valve and into muffler to protect it.

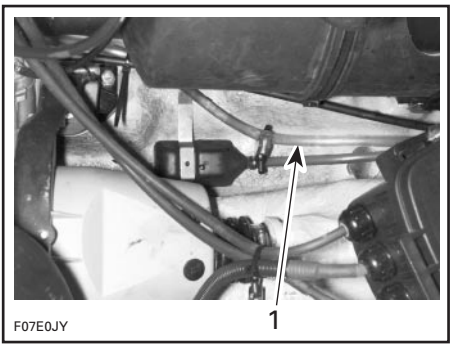
Reconnect hose to T-fitting.

DI Models

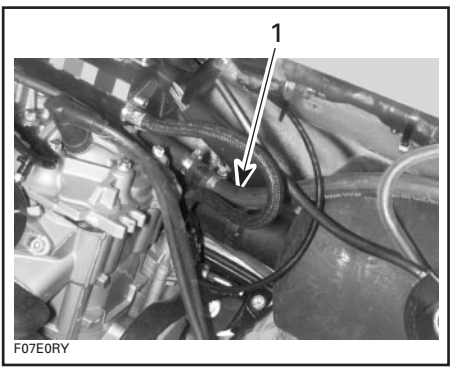
Install hose pinchers at the following location:



1. Air compressor water outlet hose
2. Water supply hose (largest hose)



1. Engine cylinder drain hose



1. Disconnect this hose here

www.SeaDooManuals.net

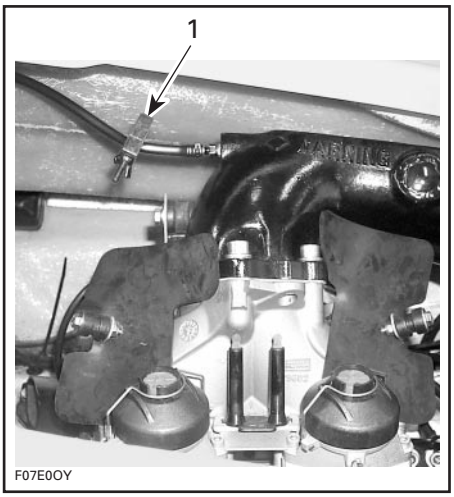
Disconnect water OUTLET hose at engine as shown in previous illustration.

Temporarily install a short piece of hose to replace the one removed.

Antifreeze

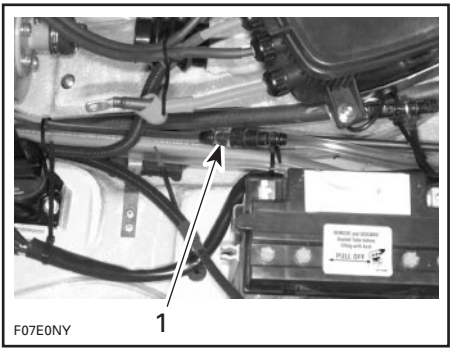
Insert a funnel into the temporary hose and pour antifreeze mix in engine until the colored solution appears at cooling system bleed outlet.

At this point, install a hose pincher on bleed outlet hose.



1. Bleed outlet hose

Continue to pour until antifreeze flows in engine drain hose.



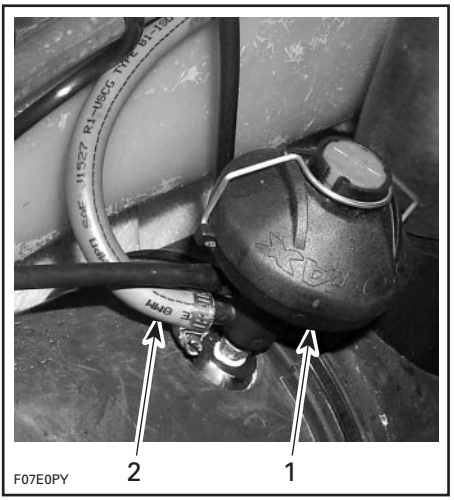
1. Engine drain hose

Remove pinchers in this order to allow proper flow of antifreeze.

1. Bleed outlet hose.
2. Air compressor water outlet.
3. Engine cylinder drain hose.

Remove temporary hose and reconnect engine water outlet hose.

Remove water regulator valve supply hose.



1. Water regulator valve
2. Supply hose

Temporarily install a short piece of hose to replace the one removed.

www.SeaDooManuals.net

Pour approximately 200 mL (7 oz) of antifreeze in hose. This will protect the valve and the muffler.

Remove temporary hose and reconnect hose to valve.

All Models

Most of the antifreeze will drain out when removing the hose pinchers. Use a container to recover it. DISPOSE ANTIFREEZE AS PER YOUR LOCAL LAWS AND REGULATIONS.

NOTE: Although antifreeze will mainly drain out, the antifreeze has mixed with the water that was possibly trapped in the water jackets and thus preventing freezing problems.

At pre-season preparation, drain the remaining antifreeze from cooling system prior to using the watercraft.

The following steps should be performed to provide the watercraft enhanced protection.

Clean the bilge with hot water and detergent or with bilge cleaner. Rinse thoroughly. Lift front end of watercraft to completely drain bilge. If any repairs are needed to body or to the hull contact your authorized Sea-Doo dealer. For paint touch up to mechanical parts use Bombardier spray paint.

Reinstall vent tube support (**if applicable**).

Anticorrosion Treatment

Wipe off any residual water in the engine compartment.

Spray BOMBARDIER LUBE lubricant or equivalent over metallic components in engine compartment.

⚠ WARNING

Do not lubricate the safety lanyard post.

Lubricate the throttle cable with BOMBARDIER LUBE lubricant or equivalent.

Final Steps

Apply a good quality marine wax to the body.

The seat and the seat extension (**if so equipped**) should be partially left opened, and storage baskets (**if so equipped**) should be removed during storage. This will avoid engine compartment condensation and possible corrosion.

If the watercraft is to be stored outside, cover it with an opaque tarpaulin to prevent sun rays and grime from affecting the plastic components, watercraft finish as well as preventing dust accumulation.

CAUTION: The watercraft should never be left in water for storage. Never leave the watercraft stored in direct sunlight.

Pre-Season Preparation

Use the following chart.

Since technical skills and special tools are required, some operations should be performed by an authorized Sea-Doo dealer.

⚠ WARNING

Observe all WARNINGS and CAUTIONS mentioned throughout this guide which are pertinent to the item being checked. When component conditions seem less than satisfactory, replace with genuine BOMBARDIER parts or approved equivalents.

www.SeaDooManuals.net

Pre-Season Preparation Chart

NOTE: It is highly recommended that an authorized Sea-Doo dealer perform the annual safety inspection and factory campaigns in addition to the pre-season preparation all at the same time.

OPERATIONS		TO BE PERFORMED BY
GENERAL	Lubrication/corrosion protection	Operator
	Spark plug replacement ①	Dealer
ENGINE	Exhaust system condition (fasteners, hoses etc)	Dealer
	RAVE valve cleaning	Dealer
	Counterbalance shaft oil level	Dealer
	Ignition timing	Dealer
	Air compressor, visual condition of hoses. Check for leaks ⑤ **CAUTION: Main hose between compressor and fuel rail may be hot.**	Dealer
COOLING SYSTEM	Inspection of cooling system hoses and components	Dealer
FUEL SYSTEM	Carburetor adjustment (**carburetor-equipped models**)	Dealer
	Throttle ② and choke (**carburetor-equipped models**) cable inspection/adjustment	Dealer
	Fuel filter replacement (**carburetor-equipped models**)	Dealer
	Fuel injection sensors verification (**DI models**)	Dealer
	Fuel system; check valves, lines, fasteners, **pressurization** ②	Dealer
	Direct injector, check for leakage (**DI models**) ⑤	Dealer
	Filler neck, fuel tank and fuel cap condition ②	Dealer
	Fuel tank straps	Operator
	Refill fuel tank	
LUBRICATION SYSTEM	Oil injection pump adjustment	Dealer
	Oil filter replacement	Dealer
	Oil injection reservoir straps	Operator
	Oil injection reservoir filling	Operator
	Oil injection pump adjustment and bleeding	Dealer
ELECTRICAL SYSTEM	Battery condition/charging and reinstallation	Dealer
	Battery, starter connections and routing ②	Dealer
	Monitoring beeper	Dealer
	Digitally encoded security system	Dealer
STEERING SYSTEM	Steering system adjustment/inspection ②	Dealer
PROPULSION SYSTEM	Shifter system condition and cable adjustment (**if so equipped**)	Dealer
	VTS (Variable Trim System, **if so equipped**)	Dealer
	Propulsion system inspection	Dealer
	Jet pump oil replacement	Dealer
HULL AND BODY	Inspection of bailer pick-ups	Dealer

① Before installing new spark plugs, it is suggested to burn the excess BOMBARDIER LUBE lubricant or equivalent by starting the engine using the old spark plugs.

② Safety item covered in the annual safety inspection.

www.SeaDooManuals.net

TROUBLESHOOTING

The following chart is provided to help in diagnosing the probable source of simple troubles. You may be able to solve many of these problems rather quickly, but others may require the skills of a mechanical technician. In such cases, consult an authorized Sea-Doo dealer for servicing.

Monitoring Beeper Coded Signals

CODED SIGNALS	POSSIBLE CAUSE	REMEDY
2 short beeps (while installing safety lanyard on switch).	• Confirms safety lanyard signal operation.	Engine can be started.
1 long beep (while installing safety lanyard on watercraft switch or when pressing engine start/stop button).	• Safety lanyard on switch for more than 10 minutes without starting engine.	Apply a slight pressure or remove and reinstall safety lanyard on switch.
	• Bad connection.	Reinstall safety lanyard cap correctly over switch.
	• Wrong safety lanyard.	Use a safety lanyard that has been programmed for the watercraft.
	• Defective safety lanyard.	Use another programmed safety lanyard.
	• Dried salt water in safety lanyard cap.	Clean safety lanyard cap to remove salt water.
	• Improper operation of MPEM or defective wiring harness.	Refer to an authorized Sea-Doo dealer.
A 2 seconds beep every 2 seconds intervals **(DI models)**.	• Exhaust system overheat.	See engine OVERHEATING.
A 2 seconds beep every minute intervals **(DI models)**.	• Fuel tank level is low.	Refill as soon as possible.
	• Very low battery voltage.	Refer to an authorized Sea-Doo dealer.
	• Coolant and exhaust gas temperature sensors or TPS (throttle position sensor) or CPS (crankshaft position sensor) malfunction.	Refer to an authorized Sea-Doo dealer.
	• MPEM malfunction.	Refer to an authorized Sea-Doo dealer.
A 2 seconds beep every 15 minutes intervals **(DI models)**.	• Oil injection reservoir level is low.	Refill.
8 short beeps (**carburetor-equipped models**).	• Defective MPEM.	Refer to an authorized Sea-Doo dealer.
Continuously beeps.	• Engine overheats.	See engine OVERHEATING.

www.SeaDooManuals.net

Engine Will Not Start

OTHER OBSERVATION	POSSIBLE CAUSE	REMEDY
Engine does not turn over.	• Safety lanyard removed.	Install cap over switch.
	• Burnt fuse(s).	Check wiring then replace fuse(s).
	• Discharged battery.	Refer to an authorized Sea-Doo dealer.
	• Battery connections, corroded or loose.	Refer to an authorized Sea-Doo dealer.
	• Water-flooded engine.	Refer to **Water-Flooded Engine** in SPECIAL PROCEDURES.
	• MPEM malfunction.	Refer to an authorized Sea-Doo dealer.
Engine turns slowly.	• Discharged or weak battery.	Refer to an authorized Sea-Doo dealer.
Engine turns normally.	• Closed fuel tank valve (**carburetor-equipped models**).	Turn fuel tank valve to ON position.
	• Fuel tank empty or water-contaminated.	Refill. Siphon and fill with fresh fuel.
	• Fuel filter clogged or water-contaminated (**carburetor-equipped models**).	Clean, check fuel tank for water.
	• Fouled/defective spark plugs.	Replace.
	• Misuse of choke (**carburetor-equipped models**).	Use only with cold engine. Replace spark plugs.
	• Fuel-flooded engine.	Refer to **Fuel-Flooded Engine** in SPECIAL PROCEDURES.
	• Fuel rail/air compressor malfunction (**DI models**).	Refer to an authorized Sea-Doo dealer.
	• Burnt fuel pump fuse **(DI models)**.	Check wiring then replace fuse.
	• Electrical problem **(DI models)**.	Refer to an authorized Sea-Doo dealer.

www.SeaDooManuals.net

Engine Misfires, Runs Irregularly

OTHER OBSERVATION	POSSIBLE CAUSE	REMEDY
Weak spark.	• Fouled/defective/worn spark plugs.	Replace.
	• Faulty rev limiter (**carburetor-equipped models**).	Refer to an authorized Sea-Doo dealer.
	• Too much oil supplied to engine.	Improper oil pump adjustment, refer to an authorized Sea-Doo dealer.
Lean fuel mixture.	• Fuel: Level too low, stale or water-contaminated.	Siphon and/or refill.
	• Fuel filter, clogged or water-contaminated (**carburetor-equipped models**).	Refer to an authorized Sea-Doo dealer.
	• Fuel tank valve (**carburetor-equipped models**) partially open.	Turn fuel tank valve to ON position.
	• Clogged injectors (**DI models**).	Refer to an authorized Sea-Doo dealer.
	• Defective sensor or MPEM (**DI models**).	Refer to an authorized Sea-Doo dealer.
Rich fuel mixture (high fuel consumption).	• Flame arrester dirty/clogged (**if so equipped**).	Clean or replace.
	• Partially closed choke (**carburetor-equipped models**).	Refer to an authorized Sea-Doo dealer.
	• Defective sensor or MPEM (**DI models**).	Refer to an authorized Sea-Doo dealer.

Engine Overheats

OTHER OBSERVATION	POSSIBLE CAUSE	REMEDY
Monitoring beeper sounds continuously.	• Clogged jet pump water intake.	Clean.
	• Clogged coolant system.	Flush cooling system.

Engine Continually Backfires

OTHER OBSERVATION	POSSIBLE CAUSE	REMEDY
Weak spark.	• Fouled/defective/worn spark plugs.	Replace.
Overheated engine.	• See engine OVERHEATS.	Refer to an authorized Sea-Doo dealer.
	• Faulty rev limiter (**carburetor-equipped models**).	

Engine Pinging or Knocking

OTHER OBSERVATION	POSSIBLE CAUSE	REMEDY
	• Poor quality gasoline/low octane.	Use well known quality and recommended gasoline.
	• Spark plug heat range too high.	Use recommended spark plugs.
	• Ignition timing.	Refer to an authorized Sea-Doo dealer.

www.SeaDooManuals.net

Engine Lacks Acceleration or Power

OTHER OBSERVATION	POSSIBLE CAUSE	REMEDY
	• Weak spark.	Refer to engine MISFIRES, RUNS IRREGULARLY.
	• Incorrect fuel mixture (**carburetor-equipped models**).	Refer to engine MISFIRES, RUNS IRREGULARLY.
	• Water in fuel or injection oil.	Siphon and replace.
Overheated engine.	• See engine OVERHEATS.	
	• Clogged injectors **(DI models)**.	Refer to an authorized Sea-Doo dealer.
	• Low fuel pressure **(DI models)**.	Refer to an authorized Sea-Doo dealer.
	• Stuck RAVE valves.	Refer to an authorized Sea-Doo dealer.

Watercraft Engine Cannot Run Above Idle Speed

OTHER OBSERVATION	POSSIBLE CAUSE	REMEDY
	• The monitoring system put the watercraft in limp home mode due to a component malfunction (**DI models**).	Try removing and reinstalling the safety lanyard on its switch. Refer to an authorized Sea-Doo dealer.

Watercraft Can Not Reach Top Speed

OTHER OBSERVATION	POSSIBLE CAUSE	REMEDY
Cavitation.	• Jet pump water intake clogged.	Clean.
	• Damaged impeller.	Replace. Refer to an authorized Sea-Doo dealer.
	• The safety lanyard used purposely does not allow watercraft top speed (**DI models**).	Use a safety lanyard that allows to reach the top speed.
	• The monitoring system put the watercraft in limp home mode due to a component malfunction (**DI models**).	Release throttle so that engine returns to idle speed. Refer to an authorized Sea-Doo dealer.

Abnormal Noise From Propulsion System

OTHER OBSERVATION	POSSIBLE CAUSE	REMEDY
Cavitation.	• Weeds or debris jammed around impeller.	Clean and check for damage.
	• Damaged impeller shaft or drive shaft.	Refer to an authorized Sea-Doo dealer.

www.SeaDooManuals.net

SPECIFICATIONS

ENGINE		RX (5513/5514)	RX DI (5646/5656)
Engine type		Rotax 947, 2-stroke	
Induction type		Reed valve	
Exhaust system		Water cooled/water injected with regulator	
Exhaust valve		Rotax Adjustable Variable Exhaust (RAVE)	
Lubrication	Type	Oil injection	
	Oil type	Formula XP-S synthetic injection oil	Formula XP-S DI synthetic injection oil
Number of cylinders		2	
Displacement		951.2 cm^3 (58 in^3)	
Rev limiter setting		7200 RPM ± 50	
COOLING			
Type		Open circuit. Direct flow from propulsion unit.	
ELECTRICAL			
Magneto generator output		180 W @ 6000 RPM	270 W @ 6000 RPM
Ignition system type		Digital CDI	Digital inductive type
Spark plug	Make and type	NGK, BR8ES	NGK, ZFR4F-11
	Gap	0.5 - 0.6 mm (.020 - .024 in)	1.1 mm (.043 in)
Starting system		Electric starter with reduction gear	
Battery		12 V, 19 A•h	
Fuse	MPEM	5 A	
	Electrical system	2 x 15 A	1 x 15 A 2 x 25 A
	VTS system	7.5 A	
	Fuel pump	N.A.	10 A
	Information center	1 A	
CARBURETION			
Fuel type		Unleaded regular gasoline with 87 octane (R+M)/2	
Carburetor/fuel injection		BN 46i (diaphragm). Fuel accelerator pump. Quantity: 2	Orbital direct fuel injection, twin throttle body (46 mm (1.81 in))

N.A.: Not Applicable.

www.SeaDooManuals.net

PROPULSION		RX (5513/5514)	RX DI (5646/5656)
Propulsion system		Bombardier Formula pump	
Jet pump type		Axial flow, single stage	
Transmission		Direct drive	
Jet pump oil type		SEA-DOO synthetic polyolester oil SAE 75W90 GL5	
Pivoting angle of direction (nozzle)		~ 20°	
Minimum required water level for jet pump		90 cm (3 ft)	
DIMENSIONS			
Number of passengers ①		2	
Overall length		286 cm (113 in)	
Overall width		120 cm (47 in)	
Overall height		104 cm (41 in)	
Weight		275 kg (605 lb)	
Load limit (passengers + luggage)		181 kg (350 lb)	
CAPACITIES			
Fuel tank		56.5 L (15 U.S. gal)	
Oil injection tank		6 L (1.6 U.S. gal)	
Impeller shaft reservoir	Capacity	115 mL (3.8 U.S. oz)	
	Oil level	Up to plug	

① Refer to load limit.

BOMBARDIER INC. reserves the right to make changes in design and specifications and/or to make additions to, or improvements in its products without imposing any obligation upon itself to install them on its products previously manufactured.

www.SeaDooManuals.net

ENGINE		GTX DI (5649/5659)
Engine type		Rotax 947, 2-stroke
Induction type		Reed valve
Exhaust system		Water cooled/water injected with regulator
Exhaust valve		Rotax Adjustable Variable Exhaust (RAVE)
Lubrication	Type	Oil injection
	Oil type	Formula XP-S DI synthetic injection oil
Number of cylinders		2
Displacement		951.2 cm^3 (58 in^3)
Rev limiter setting		7200 (± 50) RPM
COOLING SYSTEM		
Type		Open circuit. Direct flow from propulsion unit
ELECTRICAL SYSTEM		
Magneto generator output		270 W @ 6000 RPM
Ignition system type		Digital inductive type
Spark plug	Make and type	NGK, ZFR4F-11
	Gap	1.1 mm (.043 in)
Starting system		Electric starter with reduction gear
Battery		12 V, 19 A•h
Fuse	MPEM	5 A
	Electrical system	1 x 15 A 2 x 25 A
	Fuel pump	10 A
	Information center	1 A
FUEL SYSTEM		
Fuel type		Unleaded regular gasoline with 87 octane (R+M)/2
Fuel injection		Orbital Direct Fuel Injection, twin throttle body (46 mm (1.81 in))
PROPULSION		
Propulsion system		Bombardier Formula pump
Jet pump type		Axial flow, single stage
Transmission		Direct drive
Impeller shaft reservoir oil type		SEA-DOO jet pump synthetic polyolester oil SAE 75W90 GL5
Pivoting angle of direction (nozzle)		~ 20°
Minimum required water level for jet pump		90 cm (3 ft)

www.SeaDooManuals.net

DIMENSIONS		GTX DI (5649/5659)
Number of passengers ①		3
Overall length		315 cm (124 in)
Overall width		107 cm (42 in)
Overall height		94 cm (37 in)
Weight		309 kg (680 lb)
Load limit (passengers + luggage)		243 kg (535 lb)
CAPACITIES		
Fuel tank		56.5 L (15 U.S. gal)
Impeller shaft reservoir	Capacity	115 mL (3.8 U.S. oz)
	Oil level	Up to plug
Oil injection reservoir		6 L (1.6 U.S. gal)

① Refer to load limit.

BOMBARDIER INC. reserves the right to make changes in design and specifications and/or to make additions to, or improvements in its products without imposing any obligation upon itself to install them on its products previously manufactured.

www.SeaDooManuals.net

SI* METRIC INFORMATION

BASE UNITS		
DESCRIPTION	UNIT	SYMBOL
length	meter	m
mass	kilogram	kg
force	newton	N
liquid	liter	L
temperature	Celsius	°C
pressure	kilopascal	kPa
torque	newton-meter	N•m
land velocity	kilometer per hour	km/h
navigation velocity	knot	kn

PREFIXES			
PREFIX	SYMBOL	MEANING	VALUE
kilo	k	one thousand	1000
centi	c	one hundredth of	0.01
milli	m	one thousandth of	0.001
micro	µ	one millionth of	0.000001

CONVERSION FACTORS		
TO CONVERT	TO ①	MULTIPLY BY
in	mm	25.4
in	cm	2.54
in^2	cm^2	6.45
in^3	cm^3	16.39
ft	m	0.3
oz	g	28.35
lb	kg	0.45
lbf	N	4.4
lbf•**in**	N•m	0.11
lbf•ft	N•m	1.36
lbf•ft	lbf•**in**	12
PSI	kPa	6.89
imp. oz	U.S. oz	0.96
imp. oz	mL	28.41
imp. gal	U.S. gal	1.2
imp. gal	L	4.55
U.S. oz	mL	29.57
U.S. gal	L	3.79
knot	MPH	1.15
MPH	km/h	1.61
Fahrenheit	Celsius	(°F - 32) ÷ 1.8
Celsius	Fahrenheit	(°C x 1.8) + 32
hp	kW	.75

* The international system of units abbreviates SI in all languages.

① To obtain the reverse sequence, divide by the given factor. Example: to convert millimeters to inches, divide by 25.4.

NOTE: Conversion factors are rounded off to 2 decimals for easier use.

www.SeaDooManuals.net

ABBREVIATIONS USED IN THIS MANUAL

	DESCRIPTION
AC	Alternate current
CDI	Capacitor discharge ignition
DC	Direct current
DESS	Digitally encoded security system
DI	Direct injection
ECU	Electronic control unit
E.I.N.	Engine identification number
HP	Horse power
LCD	Liquid crystal display
LED	Light-emitting diode
MAG	Magneto
MPEM	Multi-purpose electronic module
MPH	Mile per hour
N.A.	Not applicable
OPT	Optional
PFD	Personal flotation device
P/N	Part number
PTO	Power take off
RAVE	Rotax adjustable variable exhaust
RFI	Rotax fuel injection
STD	Standard
VROI	Variable rate oil injection
VTS	Variable trim system

www.SeaDooManuals.net

MODEL No. _____

HULL
IDENTIFICATION NUMBER (H.I.N.) _____

ENGINE
IDENTIFICATION NUMBER (E.I.N.) _____

Purchase Date _____ | | | | |
year month day

Warranty Expiry Date _____ | | | | |
year month day

To be completed by the authorized Sea-Doo dealer at the time of the sale

DEALER IMPRINT AREA

Please verify with your selling dealer to ensure your SEA-DOO watercraft has been registered with Bombardier.

www.SeaDooManuals.net

CHANGE OF ADDRESS

If your address has changed, be sure to fill out and mail the card provided on this page.

Such notification is likewise necessary for your own safety even after expiration of the original warranty, since Bombardier will be in a position to contact you if correction to your watercraft becomes necessary.

NOTE: This card is strictly for change of address only.

CHANGE OF ADDRESS

CHANGE OF ADDRESS ❑

WATERCRAFT IDENTIFICATION NUMBERS

Model Number | Hull Identification Number (H.I.N.)

OLD ADDRESS: _____
NAME

_____
NO. STREET APT

_____
CITY STATE/PROVINCE ZIP/POSTAL CODE

NEW ADDRESS: _____
NAME

_____
NO. STREET APT

_____
CITY STATE/PROVINCE ZIP/POSTAL CODE

STOLEN UNITS

In the event that your watercraft is stolen, you should notify your area's distributor warranty department of such.

Please provide your name, address, phone number, Hull Identification Number and date it was stolen.

Bombardier will provide a list of stolen units to all authorized Sea-Doo dealers on a monthly basis to aid in recovery of such units to their owners.

www.SeaDooManuals.net

AFFIX
PROPER
POSTAGE

BOMBARDIER
RECREATIONAL PRODUCTS

WARRANTY DEPARTMENT
75, J.A. BOMBARDIER ST.
SHERBROOKE (QUEBEC)
CANADA J1L 1W3

www.SeaDooManuals.net

CHANGE OF ADDRESS

If your address has changed, be sure to fill out and mail the card provided on this page.

Such notification is likewise necessary for your own safety even after expiration of the original warranty, since Bombardier will be in a position to contact you if correction to your watercraft becomes necessary.

NOTE: This card is strictly for change of address only.

CHANGE OF ADDRESS

CHANGE OF ADDRESS ❑

WATERCRAFT IDENTIFICATION NUMBERS

Model Number | Hull Identification Number (H.I.N.)

OLD ADDRESS: _____
NAME

_____
NO. STREET APT

_____
CITY STATE/PROVINCE ZIP/POSTAL CODE

NEW ADDRESS: _____
NAME

_____
NO. STREET APT

_____
CITY STATE/PROVINCE ZIP/POSTAL CODE

STOLEN UNITS

In the event that your watercraft is stolen, you should notify your area's distributor warranty department of such.

Please provide your name, address, phone number, Hull Identification Number and date it was stolen.

Bombardier will provide a list of stolen units to all authorized Sea-Doo dealers on a monthly basis to aid in recovery of such units to their owners.

www.SeaDooManuals.net

AFFIX
PROPER
POSTAGE

BOMBARDIER
RECREATIONAL PRODUCTS

WARRANTY DEPARTMENT
75, J.A. BOMBARDIER ST.
SHERBROOKE (QUEBEC)
CANADA J1L 1W3

www.SeaDooManuals.net

CHANGE OF ADDRESS

If your address has changed, be sure to fill out and mail the card provided on this page.

Such notification is likewise necessary for your own safety even after expiration of the original warranty, since Bombardier will be in a position to contact you if correction to your watercraft becomes necessary.

NOTE: This card is strictly for change of address only.

CHANGE OF ADDRESS

CHANGE OF ADDRESS ❑

WATERCRAFT IDENTIFICATION NUMBERS

Model Number | Hull Identification Number (H.I.N.)

OLD ADDRESS: _____
NAME

_____
NO. STREET APT

_____
CITY STATE/PROVINCE ZIP/POSTAL CODE

NEW ADDRESS: _____
NAME

_____
NO. STREET APT

_____
CITY STATE/PROVINCE ZIP/POSTAL CODE

STOLEN UNITS

In the event that your watercraft is stolen, you should notify your area's distributor warranty department of such.

Please provide your name, address, phone number, Hull Identification Number and date it was stolen.

Bombardier will provide a list of stolen units to all authorized Sea-Doo dealers on a monthly basis to aid in recovery of such units to their owners.

www.SeaDooManuals.net

AFFIX
PROPER
POSTAGE

BOMBARDIER
RECREATIONAL PRODUCTS

WARRANTY DEPARTMENT
75, J.A. BOMBARDIER ST.
SHERBROOKE (QUEBEC)
CANADA J1L 1W3

www.SeaDooManuals.net

CHANGE OF ADDRESS

If your address has changed, be sure to fill out and mail the card provided on this page.

Such notification is likewise necessary for your own safety even after expiration of the original warranty, since Bombardier will be in a position to contact you if correction to your watercraft becomes necessary.

NOTE: This card is strictly for change of address only.

CHANGE OF ADDRESS

CHANGE OF ADDRESS ❑

WATERCRAFT IDENTIFICATION NUMBERS

Model Number | Hull Identification Number (H.I.N.)

OLD ADDRESS: _____
NAME

_____
NO. STREET APT

_____
CITY STATE/PROVINCE ZIP/POSTAL CODE

NEW ADDRESS: _____
NAME

_____
NO. STREET APT

_____
CITY STATE/PROVINCE ZIP/POSTAL CODE

STOLEN UNITS

In the event that your watercraft is stolen, you should notify your area's distributor warranty department of such.

Please provide your name, address, phone number, Hull Identification Number and date it was stolen.

Bombardier will provide a list of stolen units to all authorized Sea-Doo dealers on a monthly basis to aid in recovery of such units to their owners.

www.SeaDooManuals.net

AFFIX
PROPER
POSTAGE

BOMBARDIER
RECREATIONAL PRODUCTS

WARRANTY DEPARTMENT
75, J.A. BOMBARDIER ST.
SHERBROOKE (QUEBEC)
CANADA J1L 1W3

www.SeaDooManuals.net

© 1999 Bombardier Inc. All rights reserved.
®*Trademarks of Bombardier Inc. and/or its subsidiaries.
† Trademark of Castrol Ltd used under licence.
Printed in Canada

BOMBARDIER
RECREATIONAL PRODUCTS

VERSION FRANÇAISE ÉGALEMENT DISPONIBLE

www.SeaDooManuals.net